

# Smoke Signals

For Radio Amateurs • By Radio Amateurs

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Kenneth A. Ebner  
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Vol. 24 No. 2 - 278th Consecutive Monthly Issue - Baraboo, Wisconsin - February 1993

## Planning Makes SAREX Happen

Roy Neal, K6DUE, right, chairman of the Shuttle Amateur Radio Experiment (SAREX) committee is shown talking with Astronaut Ron Parise, WA4SIR, during a planning session in the Space Shuttle mockup and integration laboratory. The flight being planned here occurred in 1990, and featured four modes: voice, slow-scan TV, fast scan TV, and data. Several SAREX flights are scheduled for 1993. The SAREX program is a joint effort of the National Aeronautics and Space Administration (NASA), the American Radio Relay League (ARRL), and the Amateur Radio Satellite Corporation (AMSAT).

- NASA photo



## WARBA's EarthBreeze Around-the-World Ham Radio Flight is "Go" for January 30

By Steve Loeffler, WB9ZRE  
123 West Oshkosh Street, Ripon, WI 54971

The Wisconsin Amateur Radio Balloon Association's 20-meter balloon-carried beacon will be launched on its around-the-world trek at 10 a.m. on January 30, or on January 31 if weather conditions are poor on January 30. Details of the package were published the January issue of *Badger State Smoke Signals*. Launch information nets will operate on the Baraboo, Wisconsin 146.88 MHz repeater, and on 7.155 MHz.

The system will float eastward, over the northern Atlantic, northern Europe, the Russian republics, the northern Pacific, and finally again over North America.

The package for the flight, which should go around the world in ten days to four weeks, carries a 50 milliwatt beacon. The one-pound package can transmit continuously for more than a month. The

beacon will transmit the following in CW on 14.317 MHz:

WB9SBD/BCN BALLOON PSE QSL 00 00 00 00  
00 00 00 00 00 00 00 00 00 00

The speed of the CW transmission will provide an indication of the altitude of the balloon.

Reception reports can be made to WB9SBD on 7.155 MHz or 14.317 MHz, or by packet radio to WARBA@WB9ZRE.WI.USA.NA. WARBA requests that stations copying the beacon report the signal strength, time and date of reception in UTC (to the nearest tenth of a second if possible), and beam heading (if available), to the Wisconsin Amateur Radio Balloon Association, Route 1, Box 235A, Hillsboro, WI 54634.

If you would like a QSL card, be sure you include a self-addressed, stamped envelope with your card. DX stations should send one 1 IRC. □

## SAREX Frequencies Chosen for 1993

The following frequencies will be used for Shuttle Amateur Radio Experiment (SAREX) missions during 1993. These frequencies were chosen after much deliberation to minimize contention between SAREX operations and other 2-meter users. If you have any comments, please direct them to AMSAT via Frank Bauer, KA3HDO (at his callbook address) or to the Educational Activities Department at ARRL Headquarters. We appreciate the cooperation of all amateurs in making the SAREX operations successful.

Most SAREX operations are split-frequency. One frequency is used for "downlink" (the astronauts transmit to Earth stations) and a separate frequency is used for the "uplink" (Earth stations transmit to the astronauts).

### SAREX Voice Frequencies

The following frequencies are used for two-way voice communications with the Shuttle astronauts.

#### DOWNLINK

Worldwide: 145.55 MHz

#### UPLINKS

Europe: 144.70, 144.75 and 144.80 MHz

Rest of the world: 144.91, 144.93, 144.95, 144.97 and 144.99 MHz

Note: The crew will not favor any specific uplink frequency, so your ability to communicate with SAREX will be the "luck of the draw."

### SAREX Packet Frequencies

The following frequencies are used for packet communications with the Shuttle.

DOWNLINK: 145.55 MHz

UPLINK: 144.49 MHz

For all operations, Earth stations should listen to the downlink frequency and transmit only when the Shuttle is in range and the astronauts are on the air. Listen for any instructions from the astronauts as to specific uplink frequencies in use during the current pass. In addition, listen to the uplink frequencies before transmitting to avoid interference to other users.

Please turn to page 8

## ELMER



By Rich Regent, K9GDF

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# What's Happening

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Edited by Kenneth A. Ebnetter, K9EN • 822 Wauona Trail • Portage, WI 53901

## Swapfests and Other Social Events

SATURDAY, FEBRUARY 13, 1993. MIDWINTER MADNESS Hobby Electronics Show. National Sports Center, Blaine, MN. Contact: Robbinsdale ARC, PO Box 22613, Robbinsdale, MN.

SATURDAY, MARCH 20, 1993. Michigan Cross-roads Hamfest, Marshall, MI. Contact: SMARS, PO Box 934, Battle Creek, MI 49016.

SUNDAY, MARCH 21, 1993. Tri-County ARC Hamfest at Jefferson County Fairgrounds, Highway 18 West, Jefferson, WI. Contact: TCARC, W9SMQB, 213 Frederick, Fort Atkinson, WI 53518.

SATURDAY, MARCH 27, 1993. Michigan City Hamfest, Rogers High School, Michigan City, IN. Contact: Jack Lemley, N6SYJ, 384 Hawthorne, LaPorte, IN 46350.

SUNDAY, MARCH 28, 1993. LAMARFEST, Lake County Fairgrounds, Grayslake, IL. Contact: Lamarsfest '93, Box 437, Lake Bluff, IL 60044.

SUNDAY, APRIL 4, 1993. Madison, WI Swapfest, sponsored by MARA. Contact MARA, PO Box 8890-8890. Madison, WI 53708-8890. (608) 249-7579. Watch for flyer, and see ad back page.

SUNDAY, APRIL 18, 1993. Rockford Hamfest and Computer Show. Held at the Rockford Metro Center. Contact RARA, PO Box 6931, Rockford, IL 61125. ((815) 399-6995. (Also see ad elsewhere in this issue.)

SATURDAY, MAY, 1, 1993. Cedarburg, WI Swapfest. Held at the Circle B Recreation Center, intersection of Highway 60 and County Highway I. Amateur Radio Exams given by Badger Examiners. (See TestPoint for further information.) For more swapfest information, contact O.R.C. Swapfest Committee, 11448 N. Laguna Dr., Mequon, WI 53092. (Watch upcoming BSSS for ad with full information.)

SUNDAY, MAY 2, 1993. DeKalb Hamfest, Sandwich, IL. Contact Howard, WA9TXW, PO Box 264 Sycamore, IL 60178.

SATURDAY, MAY 8, 1993. Lakeshore Hamfest, Manitowoc County Expo. Contact: ManCoRad Radio Club, P.O. Box 204, Manitowoc, WI. Call: Ron, WS9X, (414) 793-4733 (nights) or Red, N9GHE, (414) 684-9097.

FRIDAY, SATURDAY, SUNDAY, MAY 20-22, 1993. Big Boys Toy Show, Racine Hamfest, Racine, WI. Contact Racine Megacycle Club - WB9USI, PO Box 3, Racine, WI 53401.

SUNDAY, JUNE 13, 1993. CWRA Swapfest, University Center, Stevens Point, WI. Contact: Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

SATURDAY, JULY 10, 1993. South Milwaukee ARC Swapfest, Oak Creek, WI. Contact SMARC, P.O. Box 102, South Milwaukee, WI. (414) 762-3235 Ext. 58.

SATURDAY, JULY 10, 1993. Eau Claire ARC Swapfest, Chippewa Falls Fairgrounds. Contact Lis Searing, N9EQR, 1129 McKinley Road, Eau Claire WI 54701. (715) 834-1303.

SATURDAY, JULY 24, 1993. Eau Claire, WI Swapfest. Watch for further details.

SUNDAY, OCTOBER 10, 1993. Kettle Moraine Radio Amateurs at the Waukesha County Exposition Center, Waukesha, WI. Contact: KMRA Swapfest, PO Box 411 Waukesha, WI 53187-0411.

See also the back page and flyers ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9EN.

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting Material from Badger State Smoke Signals

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### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

## Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the January 1993 meetings column for the latest complete listing. The following are additions or changes since that listing.

### QCWA - WISCONSIN CHAPTER #55

Contact Erwin Froelich, W9RZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

### GMDX MEETINGS...WELCOME!

Greetings to all Milwaukee area DXers! The Greater Milwaukee DX Association meets on the 4th Monday of the month from September through June. We use a variety of sites throughout Milwaukee and surrounding counties. Membership in GMDX is open to anyone who SERIOUSLY pursues DXing. We have a diverse group, from guys at the top of the honor roll to newcomers who are working up to their first 100. Some of our members are also among the top DX contesters in the country. We also have ARRL-approved DXCC field checkers available.

The meeting agenda consists of a generally short business meeting, followed by "networking" with your fellow DXers, where any topic of interest is fair game, including antennas, construction, propagation, DXpeditions, contesting, even non-ham interests of the day.

For information on our next meeting, contact any GMDX member, including Newsletter editor Dan Reese (N9XX @ NB9C - anytime, or call 414-529-9806 - before 9PM please). Officers include Charlie, NK9I @ KS9K and Paul, KI9Q @ KS9K. We'll clue you into the time and location of our next meeting so you can join us."

THE BARGAIN MODE

**SSB**

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: HYGAIN 40 meter 2 element beam. Used only 3 times. Kettle Moraine Radio Amateurs. Contact: Wayne Fraker (414) 542-0674.

WANTED: SB-200 in nice condition. DX-20, 25, 30, or 35, any one in good condition. Drake Transceivers. Millard Christianson, WU9L, 424 W. Pine, Sturgeon Bay, WI 54235.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

### HUMOR???

Three men were stranded on an island for many months. One day a bottle floated up to the shore. The men grabbed it and rubbed it's side. A genie popped out of the bottle and said, "I can grant you 3 wishes". Since there were three men, each one got only one wish.

The first man said, "I'm from San Francisco and I want to go home". Poof! He was gone.

The second man said, "I'm from New York and I would like to go home too". Again... Poof! He went home.

The third man thought a while and said, "I am lonely... I wish my buddies were back".

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For

# The Test Point



## Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

February 11, 1993 Apple Valley, MN  
 February 12, 1993 Blaine, MN  
 February 13, 1993 Madison, WI  
 February 13, 1993 River Falls, WI  
 February 13, 1993 Oak Forest, IL  
 February 13, 1993 Dixon, IL  
 February 17, 1993 Sheboygan, WI  
 February 20, 1993 Milwaukee, WI (BE)  
 March 6, 1993 Dubuque, IA  
 March 11, 1993 Apple Valley, MN  
 March 13, 1993 Marshfield, WI  
 March 13, 1993 Madison, WI  
 March 13, 1993 River Falls, WI  
 March 13, 1993 Oak Forest, IL  
 March 13, 1993 N Branch, MN  
 March 20, 1993 Milwaukee, WI (BE)  
 March 20, 1993 Appleton, WI  
 March 27, 1993 Menomonie, WI  
 April 10, 1993 Madison, WI  
 April 17, 1993 Eau Claire, WI  
 April 17, 1993 Milwaukee, WI (BE)  
 May 1, 1993 Ozaukee, WI (BE) (Hamfest)  
 May 8, 1993 Marshfield, WI  
 May 8, 1993 Manitowoc, WI (Hamfest)  
 May 8, 1993 Madison, WI  
 June 12, 1993 Appleton, WI  
 June 12, 1993 Dubuque, IA  
 July 10, 1993 Marshfield, WI  
 August 9, 1993 Appleton  
 August 21, 1993 Dubuque, IA  
 September 11, 1993 Marshfield, WI  
 November 6, 1993 Menomonie, WI  
 November 13, 1993 Marshfield, WI  
 November 7, 1993 Kaukauna, WI (Hamfest)  
 November 20, 1993 Dubuque, IA

Monthly, 2nd Sat. Milwaukee, WI (MRAC)  
 Monthly, 3rd Wed. Milwaukee, WI (MRAC)  
 Monthly, First Sat. Racine, WI (except January, July & August)  
 Monthly, Second Sat. Madison, WI  
 Monthly, Third Sat. Loves Park, IL  
 Monthly, Last Sat. Tomahawk, WI (January thru October only)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

### GENERAL RULES

#### FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.60 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

### MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI.

THIRD WEDNESDAY DATES: At 6:30 p.m. at Methodist Manor, 3023 S 84th St., West Allis, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your original license and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required are a pen and \$5.00 (except Novice) for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

### BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walk-ins are welcome. CW waiver forms are available. Please send a request with an SASE prior to taking an exam, so it is ready when attending the session. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, W19M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

### MADISON, WI

VE exams are held in Madison every second Saturday morning of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate. Other exams are held in Milwaukee every Third Tues. evening and third Sat. Afternoon.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.60, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark NZ9B

### EAU CLAIRE, WI

Held 9:00 a.m. to 12:00 noon at St. Olat's School on the North Lane in Eau Claire, WI., near the airport. Contact Carl Seasing, W9NW. (715) 834-1303.

### MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WBOKIN, 2310 Wal-lonnie Dr., Marshfield, WI 54449. (715) 387-3870

### RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

### TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

### DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on March 6, June 12, Aug. 21 and Nov. 20 in 1993. Great River Amateur Radio Club VEs are now

field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Mike Jozefowicz, NSOU, 2735 Hickory Hill, Dubuque, IA 52001. Or call Mike at 319-582-8563. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Arthur A. Evans, KA9KLZ  
 213 N Jefferson St.  
 Cuba City, WI 53807-1558  
 608-744-2704

APPLETON, WI - ARRL/VEC  
 MANITOWOC, WI (HAMFEST)  
 KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team.  
 Contact: Larry Siebers, (414) 788-3823

### MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NK9F. Work: (715) 232-1397, Home: (715) 235-3998.

### RIVER FALLS, WI

Contact: Scot Thompson, (715) 425-7317.

### SHEBOYGAN, WI

The Sheboygan County Amateur Radio Club VE Team (ARRL/VEC) will be administering all amateur exams on Wednesday, February 17, 1993. The exams will be held at the Red Cross Building, 2032 Erie ave., Sheboygan. The exam fee for Technician and higher will be \$5.60 for 1993. Please preregister if you plan on attending. To register, or if you have any questions, contact Tom Hetzel, AA9BJ, (414)458-2307.

### LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (Great Lakes ARC VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HCZ, (815) 987-6754.

## Out of State Exams

Information Provided  
 by the ARRL/VEC



All are ARRL/VEC unless otherwise shown.  
 Contact information from ARRL/VEC.

### EASTERN IOWA

Cresco, 319-547-5329, Jim Murphy  
 Des Moines, 515-967-3890, Jim Snapp  
 Dubuque, 319-582-8563, Mike Jozefowicz

### NORTHERN ILLINOIS

Dixon, 815-284-6380, Charles W Randall  
 Lincoln, 312-465-0981, Michael Leibovitz, WA9EVF  
 McHenry, 815-678-4276, Jack Hudson  
 Oak Forest, 708-448-9432, David Brasel

### MINNESOTA

Apple Valley, 612-432-1640, Paul Ramey WGOG  
 Saint Paul, 612-888-6187, Jerry Jensen  
 St Paul, 612-222-7253, John Bellows  
 St Paul Park, 612-459-8678, David Harrell

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

Question: How do you kill tortellini?  
 Answer: Spray them with pastacide...

I went to a hamfest auction and got something for nodding.

# Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

## Section Manager's Notes



Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

Wisconsin QSO Party is Sunday, March 14, sponsored by West Allis RAC. Let's all get on the air for the best turnout yet.

WA9ZTY was chosen as Ham of the Year by the Rock River RC, and thanked for his radio class instructor work. New RRRC officers: Pres. N9-KQV; VP W9BCV; Treas. N9LMU; Sec'y W9-YOA.

On March 8th members of the Green Fox ARC, Watertown ARC and Rock River RC will meet at the Bayside Supper Club in Beaver Dam, with delicious dinner at 7 p.m. and stimulating competition programs at 8 p.m. Join in the fun.

W9NA (Wausau), W9GIL (Milwaukee), K9CJK (Milwaukee), and WI9L (Middleton) made top mixed mode DXCC Honor Roll list with all 323 current countries confirmed.

Exams: March 6 Racine; March 13 Marshfield,

## Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3984	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

Madison, and River Falls; March 20 Appleton and Milwaukee; March 27 Menomonie.

Madison Area Repeater Association has antenna on WMTV channel 15 tower.

The Green Bay Mike and Key Club Banquet will be held in March; contact N9GDW for info.

Please send me your news.

Sorry to report Silent Key KB9CGO.

Thought of the month: *A good solution can be successfully applied to almost any problem.* □

## Net News and Gossip

Edited by the Net Managers

## Wisconsin Intrastate Net/Late

Ed Rice, W9NGP, Net Manager  
W126 Long Road  
Oconomowoc, WI 53066

The end of 1992 marks the 5th year that it has been my pleasure to carry out the manager duties for the late WIN. The totals below show that business is holding steady:

	1991	1992
QNI	2362	2307
QTC	789	768
QSP	585	536
TIME	3562	4141
SESSIONS	363	364
QSP/QTC =	74%	70%

Thanks to all the NCS stations who always show up.

N9BDL, the Super Sticker Licker, has checked in 357 times in 1992.

W9CBE has handled the 9RN traffic 88 times this year. That's about 25% of the total sessions!

N9CKC is checking in regularly again, and helps with the 9RN chores. Your help is appreciated, Steve.

I am proud to be associated with these excellent CW traffic handlers, and I look forward to a great year in 1993.

73, Ed

News from Late WIN was the only net manager's information received this month.

## ARRL Bulletin ID Reminder

Thanks to all amateurs who faithfully relay W1AW and other bulletins.

Amateurs are reminded to maintain the original Bulletin ID number, BID, on all bulletins. BID integrity will greatly aid in decongesting sometimes overworked HF, VHF and UHF packet networks.

- ARRL Bulletin 1, 1/6/93

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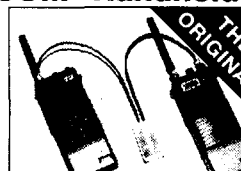
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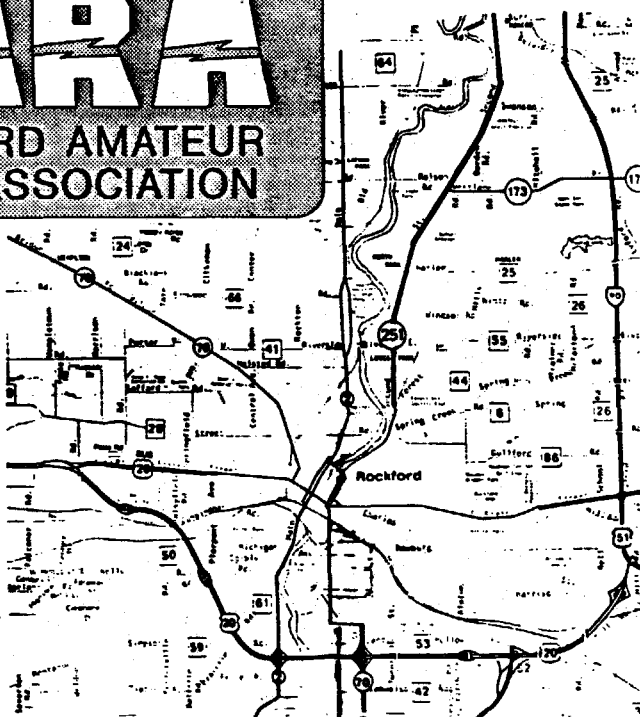
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BEN (N9KIR) (815)-633-4122 <<<<<<INFORMATION>>>>>> JOE (N9HEZ) (815)-399-6995







## Shuttle Flight to Feature Receive-Only Experiment

The next Shuttle flight carrying Amateur Radio, scheduled for late March, plans a special event to allow virtually every amateur in the south-eastern U.S. to participate.

Flight STS-55, scheduled for launch March 25, will include an antenna measurement test on 2 meters, during Orbits 61 and 62 about a week into the flight. During Orbit 61, the shuttle crew will transmit a test signal using the SAREX antenna positioned in its usual spot on one of the orbiter's windows.

On the next orbit, the crew will transmit with the external German SpaceLab antenna.

Listeners on the ground will be asked to observe both passes and to record signal strength from the Shuttle. Reports later will be analyzed by members of the Motorola Amateur Radio Club in Plantation and Boynton Beach, Florida.

During Orbits 61 and 62, the Motorola groups will record absolute field strength in two polarizations versus time as the Shuttle passes from horizon to horizon over their Florida locations.

Following the mission, the Motorola group will use precise orbiter position data from NASA in their analysis of the two Amateur Radio antennas under test.

The path of the shuttle will limit the experiment to amateurs from approximately southern Louisiana through parts of Mississippi, Louisiana, Georgia, and Florida.

- The ARRL Letter, 12/24/92

## Re-Examinations Ordered in Upstate New York

The FCC has ordered the re-testing of 20 amateurs who received licenses or upgrades as a result of volunteer examinations given in early 1992.

The examinations were conducted in Waterville, New York, at sessions coordinated by ARRL-VEC on January 4 and February 1, 1992.

In letters to the 20 amateurs, whose license classes range from Technician to Amateur Extra, the FCC said the action was "due to apparent irregularities in the examination papers of certain applicants indicating that applicants may have had advance access to the examination materials."

ARRL-VEC turned the materials over to the FCC when the possible irregularities came to light.

These re-examinations follow a similar incident involving eight amateurs at a March 7, 1992 examination session, also in Waterville.

No volunteer examiners or examinees have been accused of wrongdoing by the FCC in conjunction with the ongoing investigation.

As is their policy in such cases, the FCC has stipulated that the re-examinations must be conducted at sessions not coordinated by the ARRL-VEC.

- The ARRL Letter, 12/24/92

## New LF Beacon on the Air

I would like to report that my new LF beacon "OER" is now on the air and running 24 hours, 7 days a week. The frequency is 187.58 kHz.

The antenna is a 40-foot TV push-up mast with a 10-foot diameter spoked aluminum capacity hat. There are eight fifty-foot-long ground radials connected to a five-foot copper ground rod at the base of the antenna. The ground system is also tied into the house water pipes.

The transmitter conforms to FCC Part 15 (regulations), with one watt input to the final.

## Advertising Sales Representative Needed

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Waples Trail, Portage, WI 53901. Telephone (608) 742-3560.

I welcome any reception reports, either via paper mail or packet mail.

Winter is the best time for this band, as the static levels are at a minimum.

73, and Happy New Year.

- Doug, KB4OER@W7LJD.TN.USA

Continued on page 6



# Tri-County Amateur Radio Club Presents: HAMFEST 1993

to be held on  
**Sunday, March 21**  
AT  
**Jefferson County Fairgrounds  
Activity Center**  
Hwy. 18 West, Jefferson, WI  
from 8:00 A.M. until 2:00 P.M.

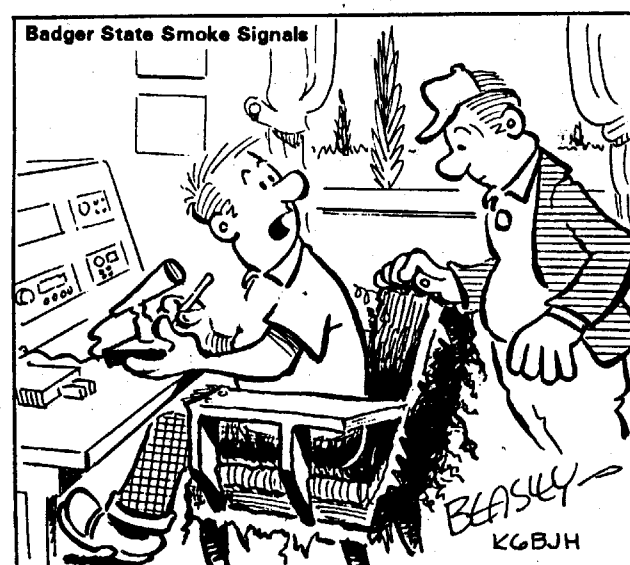
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A SPECIAL NOTE TO VENDORS:  
Special needs can be handled if we are contacted in advance.

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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913. *Please do not send cash!*

## Here and There

Continued from page 5

### A Great Deal of Zeal

One of our newest subscribers, Dale Amacher, N9PZY, of Appleton, WI, went after his ham license in a big way. Dale began the month of May, 1992 as a non-ham. By the end of May, 1992, he had passed *all five* of the written exam elements. In a note, written in September, he tells us that he had not gotten around to passing any Morse code elements.

We'd have to say that passing all five written elements in a month qualifies him for a little time off from the exam circuit before he goes for the code, eh?

- BSSS Editor

### "Restore Hope" Revives Ham Radio in Somalia

Ham radio is again on the air from Somalia, but it is primarily foreigners who are operating the stations. One of these is Robin Critchell, WA6DCR, a broadcast engineer with CBS. Critchell, operating as T55C, is one of the founders of the famed western United States Cactus Radio Network ham radio intertie. He says that he plans to operate mainly CW whenever time will allow. Robin notes that he may have to go QRT suddenly on occasion, as his work takes priority.

WA6DCR will stay in Somalia until CBS news leaves the area and will QSL after he returns home. All cards go to his *Callbook* address.

Another station signing T5CB has been worked on 10, 15, and 20 meters. Other T5 stations associated with Operation Restore Hope are expected

## American Radio Relay League Board of Directors Has First 1993 Meeting

### League to Petition FCC for Unattended Operation of Digital Stations

The ARRL Board of Directors met in Jacksonville, Florida, January 15 and 16, 1993. The following is a summary of the meeting highlights:

- Based on the recommendations of its Digital Committee the Board decided to petition the FCC for specific segments on the HF bands where automatic (unattended operation) control of digital stations will be permitted: 3.620-3.635 MHz, 7.100-7.105 MHz, 10.140-10.150 MHz, 14.095-14.0995 MHz, 14.1005-14.112 MHz, 18.105-18.110 MHz, 21.090-21.100 MHz, 24.925-24.930 MHz, and 28.120-28.189 MHz. The Board commended the Digital Committee for its hard work on the difficult matter of HF autoforwarding.

The Board did not act at this time on the committee's recommendations to permit "semi-automatic" operation on all frequencies where data modes are permitted. However, the Directors asked the committee to continue its study of how additional data operations can be accommodated in the HF bands while adequately protecting amateurs using other modes and pursuing other operating interests, and report back in July.

- The Board reaffirmed its position that international Morse code proficiency must remain a requirement for licenses conveying privileges below 30 MHz, as currently specified in the International Radio Regulations.

on the air soon.

- Newline in *Westlink Report*, 1/14/93

*Thank you for reading Badger State Smoke Signals!*

- The Board abandoned further consideration of a change in the name of the organization.

- The League will seek formal recognition by Congress of the role of Amateur Radio as a national resource in disasters, and for technical progress in electronics.

- Staff was tasked with developing a plan for Board consideration for increasing the availability of exams in Alaska in light of the possible incorporation of Novice exams in the VEC program.

- Elected to the Executive Committee are Directors Stephen Mendelsohn, WA2DHF, Joel Harrison, WB5IGF, Marshall Quiat, AG0X, and Howard Mark, W0OZC.

- Bill Tynan, W3XO, was commended for his lengthy and faithful service to Amateur Radio, most notably as conductor of *QST's* World Above 50 MHz column.

- Jerry Hall, K1TD, was commended and thanked for his great contributions to the League and Amateur Radio during the span of his 23 year career at ARRL Headquarters.

- The Tampa (Florida) Local Area Network will host the 12th ARRL Conference on Digital Communications on September 11, 1993, in the Tampa Bay area.

Watch for the full story in March *QST*.

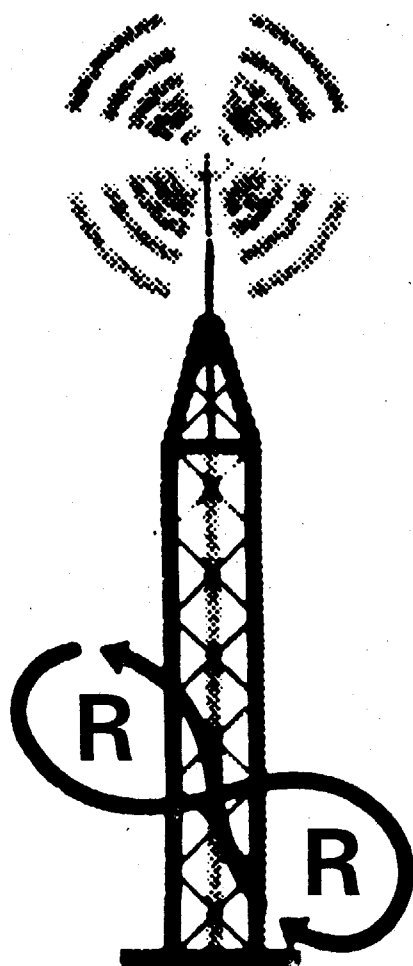
- ARRL Bulletin 4, 1/16/93

### MOVING?

Please let *Badger State Smoke Signals* know at least six weeks before you change your address. Notify Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901.

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✓ *Clocks traded for Ham Radio gear*

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# HERE IT COMES!

# The 1993 Wisconsin QSO Party

The 1993 Wisconsin QSO Party is scheduled to begin at 12 noon CST (1800Z) SUNDAY March 14 and run until 7 p.m. (0100Z March 15). The annual 7 hour event is sponsored by the West Allis Radio Amateur Club (WARAC). It is a "sprint" type contest that is open to all hams, regardless of class or location.

An opportunity to work some of the "rare" Wisconsin counties is part of this event, due mainly to the many mobile stations that take to Wisconsin highways, to activate these counties, in an effort to operate from as many counties as they can during the 7 hours. This mobile operation helps in-state and out-of-state stations work those counties that never seem to be available during the rest of the year. Of course, they also provide many contacts for all the other stations in the contest, as these mobile stations can be reworked each time they change to a new county.

A high level of participation from Wisconsin stations as well as USA, Canadian and stations from around the world makes this an enjoyable 7 hours. Why not participate?

The entry form printed in this issue can be used, you may copy the entry form from your packet BBS, or you may send to our post office box for one.

There are three items that need mentioning. First, WARAC has the final results of each years contest printed in *Smoke Signals*. Each entry receives a free copy of that results issue.

In order to better organize the results in a more timely manner for *Smoke Signals*, we have decided to shorten the time between the end of the contest and the last date for entry submission. ALL ENTRIES WILL NEED TO BE POST-MARKED NO LATER THAN MARCH 31, 1993. That is two weeks after the end of the contest. We do not see that as a problem as most entries are computer generated and should be available within a few minutes after the contest ends. For the manually generated entries, moving the date away from the former April 15 deadline will avoid delays due to that mail crunch.

Second, by popular request, we will be reinstituting the "CLUB" award. It will not be a travelling trophy as in the past. It will

instead be a one-time award presented to the club with the largest score in each year's event. For 1993 it will be a PLAQUE.

Third, there has not been an entry on from Grant or Rusk counties, which means that not all of Wisconsin's 72 counties have had an entry. And, along the same lines, in any one year, we have never had all 72 counties on. I believe we have had about 66 on in any one year, but I am not sure as the records are lacking before 1987.

Our present 12 entry categories have been in place since 1990. Some have had no entries at all, so there are no records in place. The other groups show up in my records as far back as 1987. Below I am listing the current record holder(s) so those of you who might be interested in taking the challenge are aware of what is needed to break a record:

**Single Op Fixed** - by W9ZR in 1987 with 75,060 points.

**Single Op Mobile** - by W9WI in 1988 with 25,735

points.

**Single Op Novice** - by WD9EGC in 1991 with 15,238 points.

**Single Op Tech** - by N9JUJ in 1991 with 5,610 points.

**Multi Op Fixed** - by KB9S and KI0F in 1991 with 64,916 points.

**Multi Op Mobile** - by NZ9Z, WB9ESM and KA9-ZQF in 1991 with 24,118 points.

**Multi Multi Fixed** - by NS9E crew in 1988 with 131,004 points.

**Multi Multi Mobile** - by N9KS, N9EZ and WB9-HCO in 1992 with 46,554 points.

**Out of State entries** - by AC9C in 1991 with 23,085 points.

**Club entry** - by Greater Rice Lake Contest Club in 1986 with 540,970 points.

When operating the contest, please listen for the weaker signals. They will probably be the mobile stations working hard to provide you with the rare

*Continued on next page*



## 1993 WISCONSIN QSO PARTY RULES

**DATE/TIME:** 1800Z MARCH 14 - 0100Z MARCH 15, 1993

**MODES:** CW and Phone. All stations may be worked once per mode on each band. In addition, mobiles may be worked once per mode per Wisconsin county that they operate from. No Repeater QSOs.

**ENTRY CLASSES:**

Single Operator Fixed	Multi Operator Fixed	Multi Xmtr/Multi Op Fixed
Single Operator Mobile	Multi Operator Mobile	Multi Xmtr/Multi Op Mobile
Single Operator Novice	Multi Operator Novice	Multi Xmtr/Multi Op Novice
Single Operator Tech	Multi Operator Tech	Multi Xmtr/Multi Op Tech

**EXCHANGE:** Wisconsin stations send county. Non-Wisconsin stations send state or province or country.

**FREQUENCIES:** CW: 3550, 3705, 7050, 7125, 14050, 21150 \*\* Suggested frequencies \*\*  
Phone: 3890, 7230, 14290, 28400. \*\* Other bands may be used \*\*

**SCORING:** Phone contacts count 1 QSO Point; CW contacts count 2 QSO Points.  
**WISCONSIN STATIONS:** Multiply the sum of QSO points by the sum of Wisconsin counties (max. 72), plus states (max. 50) plus Canadian provinces (max. 13) worked. Note: DX countries worked count for QSO points but not as multipliers.  
**NON-WISCONSIN STATIONS:** Multiply the sum of QSO points by the number of Wisconsin counties worked (max. 72).

**BONUS:** WISCONSIN MOBILES/PORTABLES: Add 500 bonus points for each county that you operate from, outside your home county, with a minimum of 15 QSOs per county to qualify.

**LOGS:** Entries must contain a log consisting of: Time (GMT), call, band, state/province, Wisconsin county, mode and a complete Score Summary including YOUR name, address and call. Circle new multipliers as worked. Logs containing more than 200 QSOs must be accompanied by a dupe sheet (separate dupe sheet for each mode). Mobile entries must indicate county changes in log.

Entries must be postmarked by March 31, 1993 and sent to:

WISCONSIN QSO PARTY  
WEST ALLIS RADIO AMATEUR CLUB  
P. O. BOX 1072  
MILWAUKEE, WI 53201

**AWARDS:**

**NON-WISCONSIN:** Awards will be presented to the highest single operator score in each single operator category in each state/province.

**WISCONSIN:** Awards will be presented to the following:

- Highest single operator score in the QSO Party.
- 10 highest single operator scores in each entry class.
- Highest multi-operator score in each entry class.
- Highest aggregate club score (club member stations to be located within 50 miles of the club except for mobiles).

WISCONSIN COUNTIES				STATES				CANADIAN PROVINCES
ADAMS	FLORENCE	MARATHON	RUSK	ALABAMA	LOUISIANA	OHIO		ALBERTA
ASHLAND	FOND DU LAC	MARINETTE	SAUK	ALASKA	MARYLAND (D.C.)	OKLAHOMA		BRITISH COLUMBIA
BARRON	FOREST	MARQUETTE	SAWYER	ARIZONA	MASSACHUSETTS	OREGON		LABRADOR
BAYFIELD	GRANT	MENOMINEE	SHAWANO	ARKANSAS	MAINE	PENNSYLVANIA		MANITOBA
BROWN	GREEN	MILWAUKEE	SHEBOYGAN	CALIFORNIA	MICHIGAN	RHODE ISLAND		NEW BRUNSWICK
BUFFALO	GREEN LAKE	MONROE	ST. CROIX	COLORADO	MINNESOTA	SOUTH CAROLINA		NEWFOUNDLAND
BURNETT	IOWA	OCONTO	TAYLOR	CONNECTICUT	MISSISSIPPI	SOUTH DAKOTA		NORTHWEST TERRITORIES
CALUMET	IRON	ONEIDA	TREMPEALEAU	DELAWARE	MISSOURI	TENNESSEE		NOVA SCOTIA
CHIPPewa	JACKSON	OUTAGAMIE	VERNON	FLORIDA	MONTANA	TEXAS		ONTARIO
CLARK	JEFFERSON	OZAUKEE	VILAS	GEORGIA	NEBRASKA	UTAH		PRINCE EDWARD ISLAND
COLUMBIA	JUNEAU	PEPIN	WALWORTH	HAWAII	NEVADA	VERMONT		QUEBEC
CRAWFORD	KENOSHA	PIERCE	WASHINGTON	IOWA	NEW HAMPSHIRE	VIRGINIA		SASKATCHEWAN
DANE	KEWAUNEE	POLK	WAUKESHA	IDAHO	NEW JERSEY	WASHINGTON		YUKON TERRITORY
DODGE	LA CROSSE	PORTAGE	WAUPACA	ILLINOIS	NEW MEXICO	WEST VIRGINIA		
DOOR	LAFAYETTE	PRICE	WAUSHARA	INDIANA	NEW YORK	WISCONSIN		
DOUGLAS	LANGLADE	RACINE	WINNEBAGO	KANSAS	NORTH CAROLINA	WYOMING		
DUNN	LINCOLN	RICHLAND	WOOD	KENTUCKY	NORTH DAKOTA			
EAU CLAIRE	MANITOWOC	ROCK						

## SAREX Frequencies Chosen

*Continued from front page*

Note: The first 1993 mission, STS-55, is scheduled to begin February 25. If the mission slips a few days beyond this date, it will coincide with the Phone weekend of the ARRL International DX Contest (March 6-7). Should STS-55 coincide with this contest weekend, Shuttle voice uplinks using the 144.91 to 144.99 MHz range will be curtailed DURING THE ENTIRE MISSION. If this is necessary, SAREX will operate voice using the following frequencies:

## Modified SAREX Voice Frequencies

Use only if STS-55 mission coincides with ARRL International DX Contest March 6-7, 1993.

### DOWNLINK

Worldwide: 145.55 MHz

### UPLINKS

Europe: 144.70, 144.75 and 144.80 MHz  
Rest of the world: 144.49, and 144.47 MHz

Look for more specific information as (the launch dates get closer).

- ARRL Bulletin S001, 1/4/93

## FCC Issued Call Sign Update

The following is a list of the FCC's most recently issued call signs as of January 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0KZ	KG0CI	N0UXC	KB0KVV
1	AA1EW	KD1LZ	N1NZA	KB1ANK
2	AA2MB	KF2MC	N2TFP	KB2PRF
3	AA3CU	KE3GE	N3NVF	KB3ALG
4	AC4YL	KQ4KY	++	KD4VFC
5	AB5JS	KJ5HK	++	KB5WQW
6	AB6PR	KN6EY	++	KD6QIP
7	AA7SX	KI7IV	++	KB7RLT
8	AA8JP	KF8YK	N8WMC	KB8OLY
9	AA9FP	KF9MQ	N9RSZ	KB9IGV
Hawaii	++	AH6MH	WH6KD	WH6CQB
Alaska	++	AL7ON	WL7HL	WL7CGJ
Puerto Rico	++	KP4UO	++	WP4LQC

++ All call signs in this group have been issued in this area.

- ARRL Bulletin 5, 1/20/93

## Where's the Specialty Net List?

In our November and December, 1992 issues, we published listing forms for specialty net for publication in *Badger State Smoke Signals*. As you know, that list has not yet been published. We received only four completed forms. In addition, though, we did receive a lengthy list from Kenneth Cowan, N9LSX, vice-president of the Green Bay

Mike and Key Club.

The list is far from complete, when with Ken's help. We will not publish a net's information unless it is sent to us in written form. We will be entering the data we do have in a data base, and the list will appear soon. Thanks to all who did send information. To those who did not: Why not? □



## 1993 WISCONSIN QSO PARTY SCORE SUMMARY SHEET

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_

Home WI County \_\_\_\_\_ Club Affiliation \_\_\_\_\_

ENTRY CLASS: ☐ Single Op Fixed ☐ Multi Op Fixed ☐ Multi-Multi Fixed  
☐ Single Op Mobile ☐ Multi Op Mobile ☐ Multi-Multi Mobile  
☐ Single Op Novice ☐ Multi Op Novice ☐ Multi-Multi Novice  
☐ Single Op Tech ☐ Multi Op Tech ☐ Multi-Multi Tech

WI Counties Worked From \_\_\_\_\_

SCORING: CW QSOs \_\_\_\_\_ x 2 = \_\_\_\_\_ CW Points  
 Phone QSOs \_\_\_\_\_ x 1 = \_\_\_\_\_ Phone Points  
 Sum of CW + Phone Points = \_\_\_\_\_ QSO Points  
 Number of Multipliers = \_\_\_\_\_ Multipliers  
 Wis. Counties (Max. 72) \_\_\_\_\_  
 States (Max. 50) \_\_\_\_\_  
 Provinces (Max. 13) \_\_\_\_\_  
 QSO Points x Multipliers = \_\_\_\_\_ Points  
 Bonus Points = \_\_\_\_\_ Points  
 Final Score = \_\_\_\_\_ Points

I have read and followed the WISCONSIN QSO PARTY RULES to the best of my knowledge. (All OPERATORS must sign.)

Signature(s) \_\_\_\_\_

Date \_\_\_\_\_

To qualify, entries must be postmarked by March 31, 1993 and sent to: 1993 WISCONSIN QSO PARTY, WEST ALLIS RADIO AMATEUR CLUB, P. O. BOX 1072, MILWAUKEE, WI 53201. Entries may be disqualified if the QSO Party Rules are not followed. The decision of the Wisconsin QSO Party Rules Committee shall be final. Results will be published in *Badger State Smoke Signals*, which will be sent to all entrants.

## 1993 Wisconsin QSO Party

*From previous page*

counties and multipliers you might not otherwise get. And check ALL the bands.

This is a CONTEST for ALL stations, not just contesters. Casual operators are most welcome too. Give the Novices contacts, too. Without all entries, whether to a large degree or to a small degree, there would be no "party."

It is fun. TRY IT. See you on the 14th of March at noon CST.

- Lynn Tamblin, K9KR

Photos of QSO Party participants are always welcome, and are published with the results. Pictures may be sent to the West Allis Radio Amateur Club, or to BSSS Editor Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Please identify all people in photos with full name, call sign, and city. Be sure you include any other pertinent information, too. We'll be looking for your photos! Thanks. - K9ZZ

The Wisconsin QSO Party is sponsored annually by the West Allis Radio Club. The club also sponsors the Mid-Winter Swapfest each January in Waukesha, and the annually-awarded WARAC Scholarships, administered by the Foundation for Amateur Radio. Scholarship information will appear in the March or April issue of *Badger State Smoke Signals*.



# Belt Bag HT Weather Protector

By Ronald W. Hooker, K9WTF  
S68 W22700 National Avenue  
Big Bend, WI 53103

Light rain occurred, while we were providing communications for the West Allis Western Days Parade. I had not taken a jacket of any type, a raincoat, or an umbrella. Not liking the idea of getting my new dual band HT wet, I was trying to figure out a way to keep it dry.

I had worn a belt bag to the parade to carry an extra battery for the HT and my sunglasses. It quickly became clear how I could keep the HT dry; use the belt bag which is fairly water proof.

I have been using a hat clip antenna when

using the HT in this type of activity and a remote speaker mike. This allowed me to put the HT into the bag and close the zipper up onto the two small cables. This gave me full use of the HT with it protected from the elements.

The belt bag is also very handy for carrying your HT when you want to have it with you in a public place; but with it turned off. And you do not want to have it in the open on your belt. It can be

very quickly removed for use when needed.

I have found that using the hat clip antenna -- mentioned in this article -- to be a benefit with improved coverage. It has proven to be a help for me on the parade route, and at swapfests. □

*This article was first published in Hamtrix, the newspaper of the West Allis Radio Amateur Club.* □

## Correspondence

....from our readers



**Westlink Report Story Contained Errors; Petition for 2 MHz between 30-35 MHz NOT Filed - Yet**

*Editor's Note: In Our November issue, we published a story from Westlink Report regarding a petition by Mark Jenkins, NZ9B, of Mount Horeb, to the FCC, asking for 2 MHz of spectrum between 30 and 35 MHz. Not only did Westlink Report change Mark's name to "Jenks," but the petition information was incorrect, too, saying that the petition has been filed. It has not. Here's what Mark told BSSS:*

Hi Jim,

As we discussed earlier, what I am attempting to do is to gather a petition to send in to the FCC. For this purpose I sent out a packet message with a sample petition so that people throughout the country could run off as many copies on their own computer's printer as they want. They should then take the copies to their radio club meetings and hamfests. This would not only show the power of packet, but would show that there are other ways to get things done than only through the ARRL.

When people amassed their petitions they should send them to me. On Sep. 1, 1993, I will make copies and send the original to the FCC and a copy to the ARRL, and retain one for myself. I will soon send out another sending regarding this for those who missed it the first time out.

Here is a copy of the petition:

### PETITION FOR RULE CHANGE

We the undersigned, amateur radio operators and other interested parties, respectfully petition for the following change to be made to Part 97.7 rules, for the following reasons:

1. Whereas precedence has been set in the matter of 220-222 MHz being reallocated to a different service, due to a perceived lack of amateur usage:

2. Since large numbers of users are deserting the 30-50 MHz band, for higher frequencies. This spectrum appears to be underused.

3. With the creation of the codeless technician class of amateur licence, a band should be created above 30 MHz with adequate propagation to give them experiences which will encourage them to upgrade to a higher class of licence.

4. It is therefore proposed that 2 MHz of the 30-35 MHz band be reallocated to the amateur service.

NAME

ADDRESS

- 73, Mark, NZ9B

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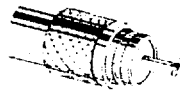
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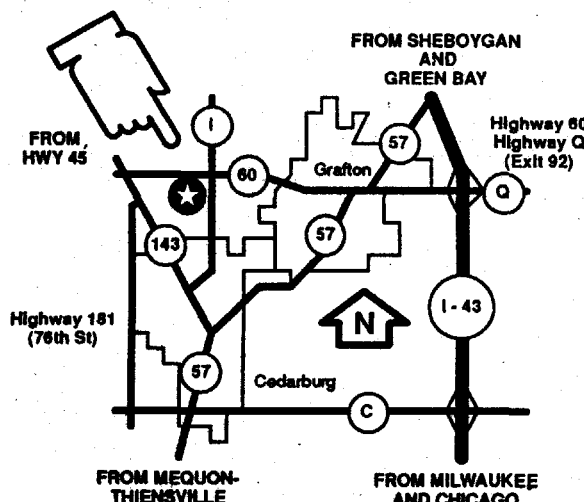
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WE RECOMMEND THAT TABLES BE RESERVED IN ADVANCE. For more information, call Tom Oehler, WB9LNL, at (414) 242-4995.

Selling permitted in assigned areas only. Please, no smoking in the swapfest area.

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\_\_\_\_\_ advance admission tickets @ \$2.00 (\$3.00 at the door)

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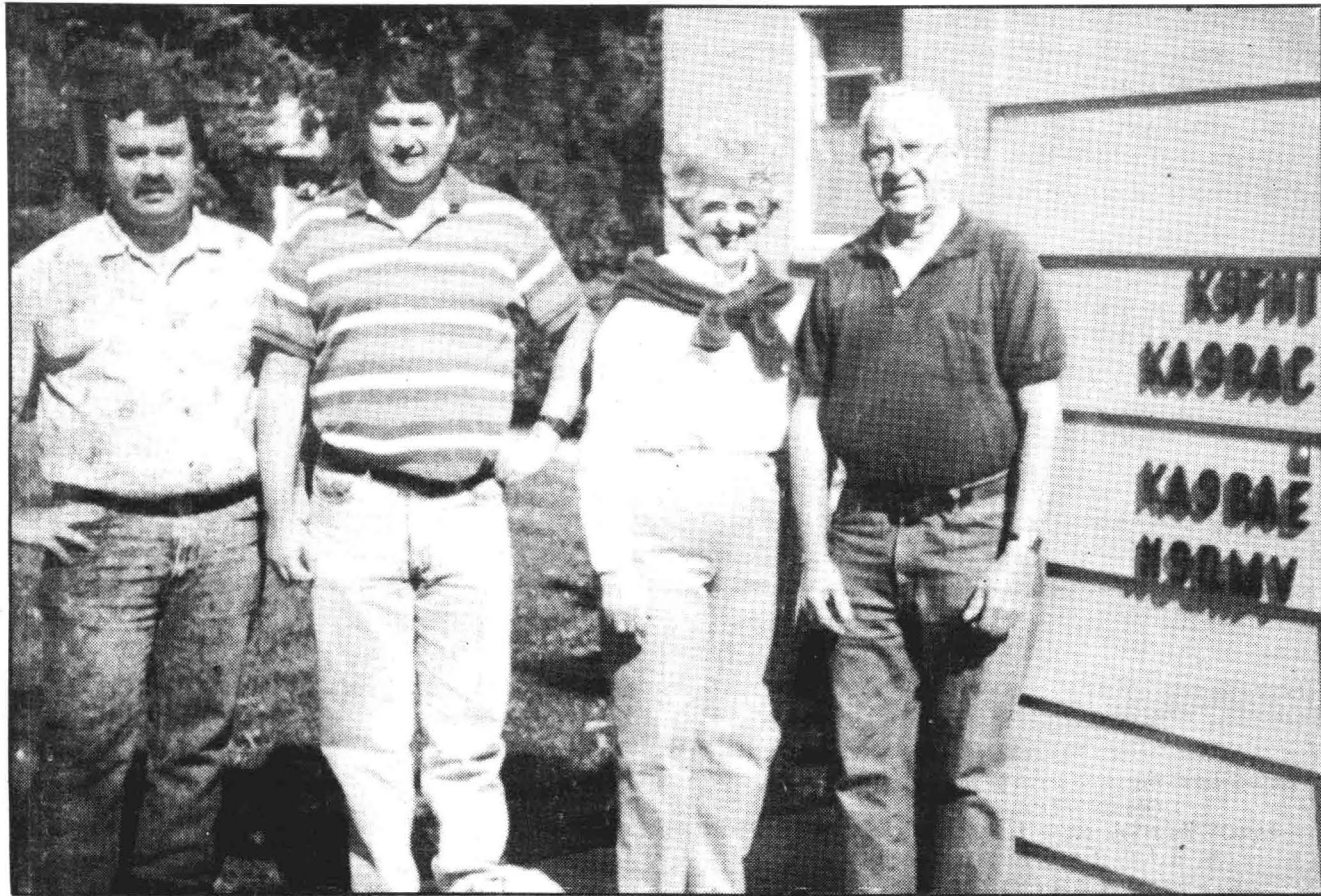
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Mail with your check and a SELF-ADDRESSED STAMPED (BUSINESS SIZE) ENVELOPE to:  
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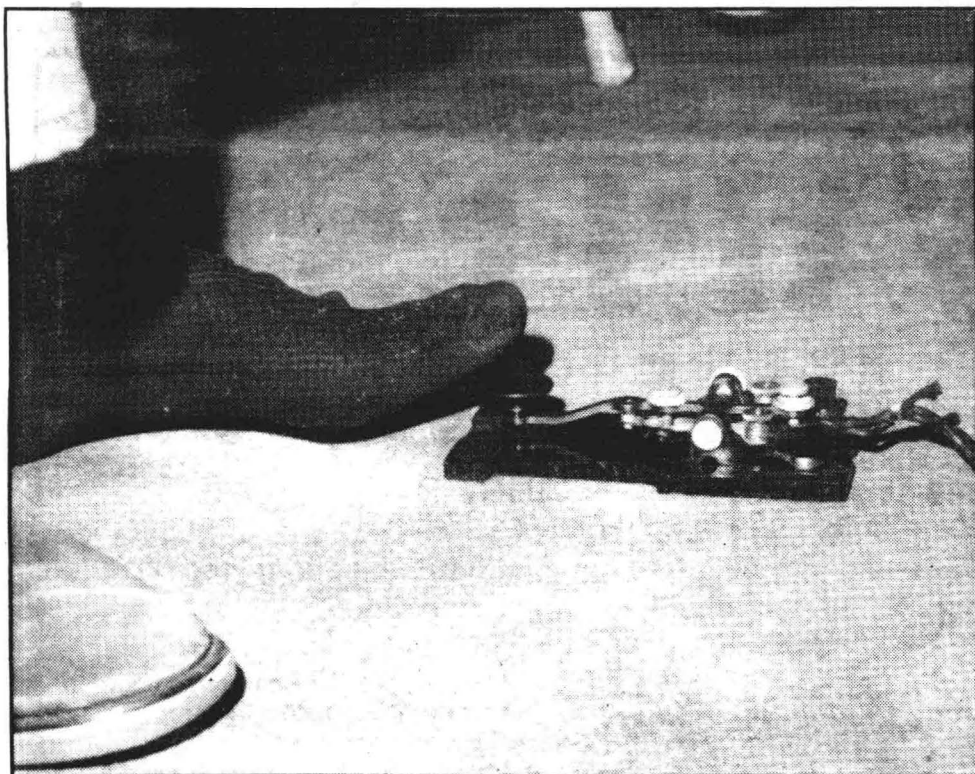


## The Pedersens: Juneau's All-Ham Family



Pictured here, from left to right, is an all-ham family from Juneau, Wisconsin. From left to right are Michael Pedersen, N9QMV, first licensed in 1992; Gary Pedersen, KA9BAE, first licensed in 1978; Beryl Pedersen, KA9BAC, first licensed in 1978; and Roy Pedersen, K9FHI, first licensed in 1961. Beryl and Roy are husband and wife, and Gary and Michael are Pedersen offspring. Michael works for Maysteel, Gary for Allen-Bradley. Beryl is active doing volunteer work and being a housewife, and Roy has been retired for six years after working in the same place for 41 years. Roy also served as Wisconsin's Section Communications Manager for the American Radio Relay League. Roy says they are all kept busy with work and with their hobbies, and that ham radio is what really keeps the Pedersens all alert and happy.

- Photo and information courtesy of Roy Pedersen/K9FHI



## QLF

The "Q" signals used on CW were developed so that radio amateurs who did not know languages other than their own could still communicate with and be understood by hams in other countries. A special set of "Q" signals is used on CW traffic nets. But "QLF" has a special meaning, and as such it stands alone. QLF often pops into the mind of a CW operator when he or she is trying to copy code that is being badly (even unreadably) sent by the station on the other end. QLF is an *unofficial* "Q" signal that means "Now try sending with your left foot." This picture was taken at a meeting of a south-central Wisconsin at which a QLF contest was held. □

## Taylor County Area Amateur Radio Club

*Continued from page 13*

code course would be particularly helpful, either in the Medford, Dorchester, Abbotsford, Owen, Loyal, or Greenwood areas.

If you're thinking, "I can't do this!", I used to think the same thing. It's really not all that hard. Those of you who have taken one or more of my courses in the past will have some idea of how things are run (or can be run). You are, of course, free to set things up however you like. I would also be available to assist you in getting things started and providing you with information and a class outline.

You could hold your classes wherever it is most convenient for you: in your own home, in the home(s) of one or more of your students, or at some other location. There are probably several places right in your own community that you can use free of charge. If you wish, you may also want to consider charging a small "tuition fee" for your course, no more than \$10 or \$15, which will help to offset any expenses you may incur in teaching classes, including transportation to and from the class site.

If interested, please call Mike, N9GHZ, as soon as

possible, at 223-3996.

### HELP WANTED IN LOCATING "QUIET SITE" FOR VLF RADIO MONITORING PROJECT

I am presently in the process of making plans to involve several groups of students from Abbotsford Jr.-Sr. High School in a project to monitor, record and analyze naturally-occurring radio emissions in the very low frequency (VLF) range. This is part of a nationwide effort to gather such data, and will be taking place between March 20th and April 11th of this year.

As part of this project, I need to locate a "quiet site" from which to do the monitoring. That is, some place that is as far away as possible from ANY source of AC current, including, but not limited to, power lines. A quarter-mile would be great, but up to 2-3 miles would be better yet. The reason for seeking such a quiet site is that AC's 60 Hz frequency generates a loud humming

## From the Old Goat

Jim Romelfanger,  
K9ZZ, Editor



• Congratulations to Larry McCalvy, WA9-JMO, and his wife Wendy, N9PAC, who took part in the inaugural parade and other festivities in Washington, D.C. for President Bill Clinton. The McCalvys were taking part as members of the Milwaukee Metropolitan Non-Commissioned Officers' Council. The Council has participated in and lead the Great Circus Parade in Milwaukee for the last five years, and its Color Guard gets dozens of requests for its services in parades, civil ceremonies, and major sporting events in and around the metro Milwaukee area.

(Thanks to Dave Voss, WB9USI, for the information.)

## In Memoriam



Clyde Coffee "Downing", W9HSY, at left, died suddenly four years ago, in February, 1989. He left much behind for all of us, including the Madison Swapfest, sponsored by the Madison Area Repeater Association. He served as MARA's president for many years.

His kindnesses and his willingness to help are remembered by many. He left the world a better and happier place by his having been a part of it for 66 years. Thanks, old timer!

The picture was taken while Clyde performed one of his famous comedy routines at one of the Yellow Thunder Amateur Radio Club's hamfests in Lake Delton.

- K9ZZ

• Look for a feature story about the Beargrease musher's dog sled races, held in northeastern Minnesota, in the near future here in BSSS.

We are currently suffering a shortage of feature articles and stories. Do you have something interesting to tell our readers? We'd be happy to publish your story! Send it to Jim Romelfanger, K9ZZ, Editor, Badger State Smoke Signals, 412½ Ash Street, Baraboo, WI 53913. Please include a few good photos, if possible. Thanks! □

noise in the type of VLF receiver I will be using, which in turn interferes with reception of naturally-occurring radio emissions.

I am preliminarily looking at two locations that are within a reasonable driving distance from Abbotsford. One is the Medford School Forest, and the other is the Chequamegon National Forest within Taylor County. I am not very familiar with either of these two locations, so if any club members out there are, I would appreciate some input, suggestions, etc., from you on where I might find the best location for this project. The location should also be readily accessible by car under most weather conditions.

If you can provide any help, please call Mike, N9GHZ, on any of the local repeaters, or at 223-3996. Thanks in advance! □

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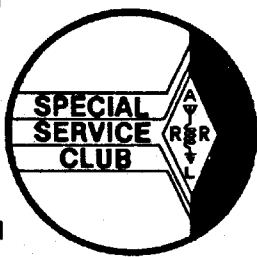
# Clubs and Organizations



## Riverland Amateur Radio Club

Dick Low, K0JYB,  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES JANUARY 5, 1993

The January meeting of the Riverland Amateur Radio Club was called to order by President Bob, N9LZK, at 7:10 p.m. There was one visitor present, John Venner, KB9IED. There were 28 people in attendance.

The reading of the minutes of the December 1992 meeting was dispensed with pursuant to a motion by Feroz, WU9N and seconded.

The treasurer's report was given by Duane, W9HWQ, and accepted as read.

### COMMITTEE REPORTS

**HAM CLASS:** Rick, KV9U, reported that the Ham Class is being held on Thursday nights at the church location on the south side with only a few students in attendance. Exams will be given late in March at the church location as the Onalaska Community Center is unavailable at that time.

**HAM FEST:** No report from Judy, N9LGV.

**SPECIAL INTEREST GROUPS:** Kent is still looking for a DF chairman, and asked if anyone has a special interest and would like to get a group going.

### OLD BUSINESS

Kent, W9LZQ, informed us that the

430 repeater idea has been left hanging possibly due to site location. He questioned as to whether we should pursue the idea or drop it. A motion was made by Walt, AA9AW, and seconded by Feroz, WU9N, that we pursue the 430 repeater idea.

### NEW BUSINESS

Dean, KQ0C, will be unable to handle the coffee this year, and Scott O'Donahoe (license pending) will take care of that job this year.

### COMMITTEES FOR 1993

**Special Interest Groups** Kent, W9LZQ  
**Programs** Mike, N0BSH  
**Field Day** Bill, KE9XQ  
**Swap Meet** Judy, N9LGV  
**Trailer** Greg, KA9FOZ  
**Membership Development**  
**Amateur Radio Weekend**  
**Repeater** Van, WA9FIO

**FIELD DAY:** Chairman Bill, KE9XQ, led a discussion regarding a possible location for the 1993 Field Day site. If the event was held in a shopping center parking lot, it would be in the public's eye. Several ideas were presented, although no final decision was made.

Meeting adjourned at 7:55 p.m.

Submitted by Dick, K0JYB

## Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

### MEETING MINUTES JANUARY 13, 1993

The January meeting of the Mancorad Club was called to order at 7:30 p.m. by President Chuck Smith, N9KGL. In attendance were 16 members.

The Treasurer's Report was read by N9IQZ, and was approved as read. The minutes of the December meeting were approved as published in the *Smoke Signals*.

### OLD BUSINESS

Chuck, N9KGL, reported that the repeater transmitter was ready. A final amp will be purchased to bring the repeater back up to full power.

Chuck also gave a report on the sale of the truck. The ads are in the *Yellow Sheets* and *Old Car Weekly*. So far three inquiries have been received on it.

A discussion concerning insurance for club equipment took place. Because of the high cost of coverage through the ARRL, it was decided to check the cost of premiums with some local insurance carriers.

USS Cobia sub event pins are in. Any person who worked the Sub special event over the last few years, may pick up their pin at any club meeting.

Clancy, KB9ECW, gave a report on the classes that started Thursday, January 7, for people wanting to become Amateur Radio operators. We have 17 students interested in participating.

Ron, WS9X, reported on the May 8th Hamfest. Vendors have already purchased tables. Red, N9GHE, took 500 flyers to the Waukesha Fest for distribution.

### NEW BUSINESS

A discussion took place on the purchase of equipment that could be loaned out to club members. One item mentioned was an antenna analyzer. Members are asked to think about this and to come up with some ideas.

A motion was made to adjourn by Ken, seconded by Ron. Meeting adjourned at 8:25 p.m.

Submitted for approval:  
Ron Schaden, WS9X, Acting Secretary

## Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings, NWRC members and guests.

The clock has started counting down to the annual club auction. Our thanks to Bill Duncan, K9KGB, for his donation of door prizes, including a portable 5" black and white television and two cameras. Members are encouraged to help by bringing some food items for the lunch counter. NWRC will provide coffee and some snacks. Please don't bring soda pop, as the Legion would prefer you purchase soda from them.

Auction date is February 23, 1993, at American Legion Post 53, 634 Water Street, Eau Claire, WI. Doors open at 6 p.m., and the sale starts at 7 p.m. sharp. Please place a barrier under your items if they threaten to scratch table top surfaces.

Col. Bruce Walther, W9QAH, will conduct the sale. Everyone is invited to bring sale items that pertain to electronics and the amateur hobby. Mark all sale items with some identification, and keep track of your stuff. This year there will be no minimum bid, as you will be allowed to bid back your items. Be sure you are paying attention!

The club retains 10% of all sales. No returns, and the club is not responsible for any loss. Admission is \$3, or \$5 paid 1993 dues. No exceptions to admission.

The NWRC wishes to congratulate the Eau Claire Amateur Radio Club on their 45-year birthday January 12.

• Member Sara Weisensel at Stevens Point writes "she is always available to help the club."

• Member Richard Jump, W9HYV, at Cameron writes "still has a spark of interest in ham radio."

• Member Jim Ley, NX9F, indicates that there will most likely be another SkyWarn training session in Menomonie this spring. More on this later.

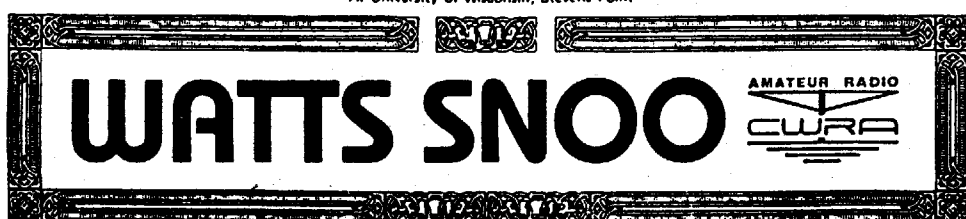
Details of the January 26th meeting will appear next month, along with all the reports about the auction activity.

The March meeting is on the 23rd in Menomonie at the Peppermill Restaurant in the T-Bird Mall. Meeting time is 7:30 p.m. Any ideas for a program?

Steve Hart, KA9OMC  
Secretary/Treasurer, NWRC

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WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

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### JANUARY 12, 1993

There was no regular meeting of CWRA this month. Instead, we all enjoyed each other's company at our annual banquet. This year we gathered at the Gary Nations Supper Club in greater Plover, Wisconsin. The eats and drinks were appreciated by all forty-five people there. We must have been well behaved because we all got dessert. Isn't that how it works at your house too?

After dinner, club president Art Wysocki N9BCA recognized three members with special presentations. Here's what we said about these worthies:

★ The Central Wisconsin Radio Amateurs, Ltd at UWSP hereby bestows its President's Award upon James E. Benak, KA9ACE. Whether elected officer, appointed committee chair, or railroaded volunteer, he has served tirelessly, without complaint, in virtually every possible position of responsibility with distinction, integrity and poise. His unselfish dedication to CWRA activities serves as a model for all to follow.

★ The Central Wisconsin Radio Amateurs, Ltd at UWSP hereby bestows its Club Service Award upon Scott K. Jasper, NE9U, in recognition of his advancement of packet radio on behalf of the Amateur community throughout central Wisconsin. His vision, leadership, enthusiasm, persistence, and curiosity has been a

driving force behind the development and refinement of the only club-owned PacketCluster Node in the state.

★ The Central Wisconsin Radio Amateurs, Ltd at UWSP hereby bestows its Club Service Award upon Mark L. Nemzoff, N9ICY, in recognition of his tireless monitoring of local repeaters, consistent participation in club events, reliable handling of informal and informational traffic for the local Amateur community, and service to the membership by accepting numerous assignments from the President between formal organizational meetings.

And very well deserved, each of them.

Our next four club meetings will all be in room A109 of the UWSP Science Building on the corner of Fourth and Reserve Streets in Stevens Point, at 7:30 p.m. on the second Wednesday of each month.

On February 10, the program will be a talk by Dr. David Tamres of the UWSP Physics Department. Dr. Tamres recently passed his Tech Plus license and may even have a call sign by then. He will talk about the current sunspot cycle and its history, and will share some predictions with us.

Respectfully 73,  
Joe Larson, N9JW, CWRA Secretary

## Attention Participating Clubs

As we have asked in the past, please try to have your club's material on its way to BSSS no later than five days after your club's meeting, and in no case more than seven days.

We welcome pictures of your club's members. Photos should tell a story; in other words, pictures should show the members doing something. Building projects, teaching classes, receiving awards, fox hunting... your imagination is the only limit. Photos have to be properly focused and correctly exposed. Color or black and white prints are acceptable, and are not normally returned.

We prefer, when possible, to have your club's material sent on diskette. Either 5 1/4" or 3 1/2" disks are fine. Files should be in ASCII or Word Perfect. We can convert from many other formats, if necessary. ALWAYS send hard copy; occasionally we get disks which are not readable. Thanks for all your cooperation and help!

K9ZZ



# Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

## MINUTES OF THE EAU CLAIRE AMATEUR RADIO CLUB - JANUARY 12, 1993

The meeting was called to order by President Bill Jablonske (W9NNS) at 1936 hours CST.

Jim (N9LIJ) read the minutes of the November and December meetings, which were approved with a minor correction to the December minutes.

Sue (KB9EUP) read the treasurer's report, and requested that dues be paid by the end of January to facilitate printing of a current membership roster.

N9LIJ noted that this is the 45th anniversary of the club's constitution, and gave a brief tribute to the founders of our club. The membership approved placing the following into the minutes.

*The first meeting of the Eau Claire Amateur Radio Club was held on September 22, 1947. At the eighth meeting, January 12, 1948, the club constitution was read and approved. As we begin our 46th year, it seems fitting that we newer hams express our gratitude to those who have given of their time and efforts to provide us with this outlet for the enjoyment and advancement of our hobby. It is not possible to list all those who have contributed to the preservation and growth of our club over the years, but the founders are hereby acknowledged:*

### The first officers:

**President:** Charles Wendt, W9MUM  
**Vice-President:** Lee Smith, W9ZRZ  
**Secretary:** Leslie Cox, W9ZGL  
**Treasurer:** Roy Judd, W9VSG  
**Activities Manager:** Howard Bowers, W9ZGW

*Others mentioned as having been involved with the club during the first eight meetings:*

Bill Hoepner  
Carl Gehrke

Cecil Wendt  
R.C. Boyle  
Hank Schultz  
Marshall Peraham

Percy Bergeson  
Doc Russell  
Bob Lockman  
Laverne Morris  
Roger Morris

Thanks, guys!

New members and guests were welcomed to the club:

Leroy  
Keith  
Steve  
John  
Rich Steidl

W9PZV  
W9NPT  
W9HMX  
W9AOM  
W9CUG

N9RSU  
N9RSS  
KF9KH  
N9QWK  
Guest of N9OHG

General introduction of club members followed.

### OLD BUSINESS

Jeff (N9JMB) announced that the club bluebook is finished, and distributed copies to members present. He then gave a brief overview of the contents. Members interested in obtaining a copy of the bluebook may pick them up at a club meeting or contact Sue (KB9EUP).

President Bill then tossed out some random ideas for discussion by the club.

**No-Code Technician Classes:** W9NNS and N9LIJ are interested in teaching classes, but scheduling problems will require reliable support and back-up from other members. Charlie (N0AKC) is also interested. March-May was mentioned as a possible time frame for these classes. Carl (W9NW) said that he used to teach radio classes through the tech school, and this provides a wide-area coverage. Steve (KA9OMC) said that the expense of taking licensing classes through a school can be a deterrent to participation.

**TV Ads to Promote Ham Radio:** Don (K9UXP) said that other clubs do this successfully. N9JMB did an interview on

Public Access TV last summer for the Hamfest. Kevin (N9OHE) offered to look into the matter and report back to the club.

**Cards for Local Repeater Users:** These would be wallet or visor cards with instructions for commands, phone numbers, etc. Several members thought this would be a good idea. No immediate action taken.

**Welcoming Committee for Hams Passing Through Area Who Use the Repeater:** No discussion at this time.

**General Discussion of Repeater Matters:** An increasing amount of interference is being noted on both club repeaters. Fred (WU9R) said that many banks and other businesses have computer equipment which can cause the type of interference being heard. Bob (W9BAR) said that the interference could also be coming from a local broadcast station. Don (WD9IJY) suggested that a tone might be put on the repeater output so that people could block the interference by placing a tone on their receivers.

### NEW BUSINESS

**Repeater Controller Features:** W9NNS asked when/if speed dialing and other controller features would be implemented. Joe (KB9R) said that this would have to be up to the club. A committee to look into the matter was suggested, but none was appointed at this time. For the autodial feature, someone would have to be responsible for keeping track of individual codes, etc.

N9JMB asked about the possibility of a new repeater per the recommendation of the repeater committee last year. W9NNS has given a Johnson Fleetcom II to KB9R to see if it would be suitable. KB9R said he is working on it, but it still is not producing full output. He also noted that our repeaters are in good locations which others like to share. Our repeaters are in hostile RF environments and performing well under the circumstances.

**Proper Repeater Use:** Fred (KC9NN) said that we have another problem with unlicensed persons using the repeater. The club thought that a letter to the concerned party would be appropriate. Also, a lot of people are kerchunking and using repeater functions without giving their call signs. It takes little time and effort to identify properly.

**Nominations for Club Directors:** KC9NN reminded the club that nominations for directors is to be accomplished at this meeting. Nominees are as follows:

Joe, KB9R	Carl, W9NW
Dan, N9HME	Don, N9OHG
Leroy, N9RSU	Charlie, N0AKC

Nominations were closed with the provision that they be re-opened next meeting prior to voting.

W9BAR mentioned the possibility of getting space for a 2-meter antenna at WEAU-TV for use during weather nets. N9LIJ offered his Ringo Ranger II for this purpose.

WD9IJY asked about the possibility of the Civil Air Patrol sharing the dipole antenna at Sacred Heart Hospital. Don (W9NFJ) is the responsible party for this matter.

### GENERAL

KA9OMC commented on the lack of representation in this area by the Wisconsin Association of Repeaters. He suggested that we and the NWRC issue a joint invitation to that group for a visit to this area.

Exams to be given Saturday, January 16, 1993, at St. Olaf Parish School from 0900-1130. Next testing session is to be April 17, 1993, at the same location. (W9NW).

NWRC auction February 23, 1993, at American Legion Post 53 in Eau Claire. (KA9OMC).

Cross-country ski race Saturday, January 16, 1993, at Eau Claire Country Club. Volunteers needed. Be there at 0815. (N9JMB).

6 - 8 hams needed to help crew balloons during Winterfest at Carson Park in Eau Claire Saturday and Sunday, January 23 and 24. (W9NW).

Magazine subscription service available at super prices. Ham publications included. N9LIJ has list and forms. (N9QWK).

Lunch committee for next meeting: Bob (W9BAR) and Dan (N9HME).

**Next meeting will be February 9, 1993, at 1930 hours at Eau Claire Parks and Recreation Center.**

Meeting adjourned in favor of refreshments.

Respectfully submitted:

J. Brennan Fitzl (N9LIJ), Secretary

# Sheboygan County Amateur Radio Club

Steve Meifert, KF9KZ, Secretary

1525 New Jersey Avenue • Sheboygan, WI 53081

The January 12, 1992 meeting was called to order at 7 p.m. by President Chad Christianson, N9HMR.

The minutes from the December meeting were read by Steve, KF9KZ, and a report on the Club's treasury was presented by Luiz, KA9HUF.

Volunteers were enlisted for the Monday night 2 Meter Net Control.

There was no report from the Technical committee.

### OLD BUSINESS

Lyle, WE9R, gave a short report on the WAR meeting in December. There was an excellent turnout and there is a possibility of the club hosting this event annually.

### NEW BUSINESS

Another Fox Hunt has been tentatively scheduled for Saturday, March 13 at 1 p.m.

The idea of sponsoring a float for the 4th of July and Holland Fest Parades was discussed. It is planned to carry a full amateur station and be in operation during the event. If you are interested in participating, see Penny, KB9BJM.

The Club's Activity Award is presented monthly to the Member who has

## EXAM NOTICE

The Sheboygan County Amateur Radio Club VE Team (ARRL/VEC) will be administering all amateur exams on Wednesday, February 17, 1993. The exams will be held at the Red Cross Building, 2032 Erie ave., Sheboygan. The exam fee is now \$5.60. Please pre-register if you plan on attending. To register, or if you have any questions, contact Tom Hetzel, AA9BJ, (414) 458-2307.

shown proof of the most number of contacts for the preceding month. Bring your log to each meeting for verification. If you have any questions see Penny, KB9BJM.

This month's award went to Jack Douville, WB9GTX. Last month, Jack told us he had a contact with a submarine and naturally we thought he was all wet. Well, after seeing the QSL card, we are all eating crow for giving him a hard time. Congratulations, Jack!

The new 1993 Callbooks are in the club library and the old ones were auctioned off. The North American went to Jack, WB9GTX for \$8 and the International

al went to Chad, N9HMR for \$16.

Al, NF9R, made some "Repeater Operation Notes" reference sheets and also wallet size cards to help explain the operation of the repeater and its emergency capabilities. If you did not get yours, more will be made available at the next regular meeting.

### A REMINDER

February 12, 1993 - Valentine's party and short meeting (presentation of the "Ham Of The Year" award), 7 p.m. at Nino's. RSVP Luiz, KA9HUF, if you plan on attending. There will be no regular club

**Ron Mischock, KB9CGO: Silent Key:** By this time I'm sure everyone has heard of the passing of Ron Mischock, KB9CGO. The news of Ron's condition after he was in the hospital came in slow, and finally word came that he was in a coma. This was a shock to both Tom and myself as we were looking forward to once again operating together with Ron in this year's QSO Party. Even more saddening was the news of his death.

It was a crazy idea but we did it. We loaded Ron's Escaper with antennas and radios and, after months of hard work and planning, Tom's pneumatic antenna tower was finished and ready to be put to the test. Actually, it looked more like a missile launcher on the trailer behind the motorhome, and I begged Tom to be careful not to put my antenna into orbit. Everything worked well, that is until we found some low branches, but we managed to keep operating and made it to Shawano where we launched, I mean raised the 10-meter antenna.

If you've ever driven with Ron you'd know he drives like there's an egg under the gas pedal, always conscious of his gas mileage. Unless there's 15 minutes left and

meeting in February.

**March 9, 1993 - Regular meeting -** Dave Schmock, KJ9I, will give a presentation on his experiences with the VP8SSI, South Sandwich Island DXpedition.

The meeting was adjourned at 7:41 p.m.

The meeting was followed by a very interesting and enjoyable presentation by Jerry, K9JHK, which included his personal slides of the Voice Of America's transmitter site and antenna farm.

Respectfully Submitted:

Steve Meifert, KF9KZ



From left to right are Ron Mischock, KB9CGO (Silent Key); Steve, KF9KZ; and Tom, AA9BJ. Steve and Tom are dedicating their 1993 Wisconsin QSO Party participation to Ron's memory. This photo was taken after the 1992 QSO Party.

- Photo courtesy of Steve, KF9KZ

you need two more contacts! It was a dark two lane highway and Tom and I will never forget the way Ron turned the rig around. I thought we were going in the ditch. I guess it tells you a little bit about priorities, HI. It's not the things you do, but your friends that make life richer. We will miss you, Ron. 73. □



# Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

## RACINE MEGACYCLE CLUB MEETING • JAN 11, 1993

Meeting was called to order at 7:35 p.m. by our new President Dick, W5ONL. Thirty hams were present. Everyone was asked to introduce himself with his/her call.

The Minutes from the last meeting were approved as written and published in *Badger State Smoke Signals*.

Treasurer Dave, WB9ZIO, reported on the income and expenses. The new balance is \$285.53.

President Dick, W5ONL, reported on the Swan transceiver. It requires some new tubes, which are expensive. The Kenwood is working fine.

### OLD BUSINESS

Bob, W0WLN, has been appointed to chair a committee which will work on and update the club Bylaws.

Jim, KB9CCY, has been appointed again to be the Field Day Chairman. Bill, K9OVC, has been appointed to become the Personal Profile Chairman. He will pick a Ham of the month to be announced with some personal information in the *BSSS*.

Dave, WB9USI, is the Racine Hamfest coordinator for 1993. Cheryl, WS9P, volunteered together with Gary, N9MJH, to be the Club Co-chairpersons to work with Dave, WB9USI, on the Racine Hamfest.

Bob, W0WLN, asked about the Club station antenna. We were informed that the antenna is down and will require repair.

### NEW BUSINESS

Dan, KA9OIL, reported on the first Fox Hunt for the year. Winners were Gene, WB9ZKY, with wife Bonnie, WB9ZKX.

Bob, W0WLN, asked about the Ham Dinner. Larry, WA9JMO, reported on the planning of the dinner and we now know that it is scheduled for Sat. Feb. 27 at the Racine Yacht Club, same place as last year. All area Radio Club's members are invited to participate. The Sweet Adelines will sing for us and music will be handled by Kenosha famous D.J. Ray, WB9LST. Please make sure you contact Larry, WA9JMO, for dinner reservations. His number is 639-7327. There will be a limited number of reservations and you pay at the door. Cost about \$15 per person and there will be a choice of fish, chicken and prime rib.

President Dick, W5ONL, brought up for discussion the present way of paying for the food at Field Day. Bob, W0WLN, made a motion that the Club pay for the food, but the motion did not get a second. After considerable discussion a vote was taken which decided that we leave it as last year. The Club will not get involved in the food expenses.

President Dick, W5ONL, reported that at the first Club Board Meeting it was suggested that the Club Station is held open regularly and asked for a volunteer. This way new Hams and other interested Hams can use the station more. Joe, N9HSJ, volunteered to chair this effort and set up a schedule with control operators and times the station will be available. It will probably be Saturday mornings.

Dave, WB9USI, reported on the upcoming Racine Hamfest, which is part

## HAM CALENDAR Courtesy Racine Megacycle Club

Feb	6	.....	Testing at Red Cross
Feb	8	.....	Megacycle Meeting
Feb	27	.....	Ham Dinner
Mar	1	.....	Packet Group
Mar	5	.....	Fox Hunt
Mar	6	.....	Testing at Red Cross
Mar	8	.....	Megacycle Meeting
Mar	20	.....	Fox Hunt
Mar	21	.....	Hamfest at Jefferson
Mar	28	.....	Hamfest at Grays Lake
Apr	2	.....	Fox Hunt
Apr	3	.....	Testing at Red Cross
Apr	4	.....	Hamfest at Madison
Apr	12	.....	Megacycle Meeting
Apr	18	.....	Hamfest at Rockford
May	8	.....	Hamfest at Manitowoc
May	10	.....	Megacycle Meeting
May	20, 21, and 22	.....	Hamfest at Racine
Jun	6	.....	Hamfest at Princeton
Jun	13	.....	Hamfest at Stevens Point
Jun	14	.....	Megacycle Meeting
Jul	10	.....	Hamfest at Oak Creek
Jul	12	.....	Megacycle Meeting
Jul	24	.....	Hamfest at Eau Claire
Aug	8	.....	Hamfest at Peotone
Aug	9	.....	Megacycle Meeting
Sep	13	.....	Megacycle Meeting
Oct	11	.....	Megacycle Meeting
Nov	8	.....	Megacycle Meeting
Dec	13	.....	Megacycle Meeting

of the larger Toys For Big Boys Expo. It will take place on the lake front on May 21, 22 and 23.

The business part of the meeting was ended at 9:30 p.m.

Larry, WA9JMO, who stood for the program then talked about a visit to the former Soviet Union he did last year. It was his second trip and he is planning a third. He and his wife have now visited the east including Siberia and the west with trips on the railroad and by plane. It was a very interesting program. Larry talked about the desire to form a radio sister club with the club station in Irkutsk, which is in east Siberia. More information on that will follow. We may set up a regular schedule with that club.

Larry also brought with him several artifacts and souvenirs for everyone to look at and everyone was invited to take a pin on the table. Thank you Larry, we are now looking forward to your next presentation.

### REMINDERS

✓ Remember to pay for the dues for 1993. They can be mailed to our Treasurer Dave, WB9ZIO. The cost is \$11.50 which includes the *BSSS*.

✓ Also remember to mail in your reservation to Larry, WA9JMO, for the Ham Dinner. See details above.

Respectfully submitted:  
Arne, KA9ZPY, Club Secretary

# Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P.O. Box 401 • Abbotsford, WI 54405-0401

## TAYLOR COUNTY AREA AMATEUR RADIO CLUB MEETING ANNOUNCEMENT

The next regular monthly meeting will be held on Thursday, February 4th at 7 p.m. in the Emergency Government meeting room/Red Cross office, located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Streets, Medford, WI. Talk-in on 147.75/147.15 repeater.

**ATTENTION: 1993 CLUB/REPEATER DUES ARE NOW DUE AND PAYABLE!!!!**

1993 TCAARC club and repeater dues are now due and payable. Dues for the club and 2-meter repeater, including autopatch, are \$10.00 a year. If you would also like a subscription (or wish to renew your subscription) to *Badger State Smoke Signals*, which carries (prints) our club's monthly newsletter, add another \$5.00 (total of \$15.00). Make checks payable to Taylor County Area Amateur Radio Club. If paying by mail, send to current club treasurer Joanne Lundgren, N9QVX, W16095 Beech Drive, Sheldon, WI 54766. Or, bring your payment to an upcoming club meeting.

The following is a list of all those who have already paid dues for 1993, according to my records at this time. I will update my list with the club treasurer in the near future: KA9SMQ, KA9UXN, KA9WDC, KA9WDX, KB9AMX, KB9AMZ, KB9BLV, KE9LX, N9FZD, N9FZS, N9GEN, N9GHZ, N9ZU, W9LEE, W9QHI, WA9ZCO, WD9ASX, WD9C, and WD9FWP.

**ATTENTION: BADGER STATE SMOKE SIGNALS SUBSCRIPTION PAYMENTS ARE DUE!!!!**

By an earlier vote of the club membership, effective this year, individual members' share of their subscriptions to *BSSS* are being collected in January of each year, rather than in the month in which each individual subscription runs out. This will simplify the bookkeeping for the club's treasurer. Even if your subscription does not run out until later in the year, you will still be credited for the remaining time on your subscription, and the club will ensure that you receive it for the entire year. The club makes quarterly (4 times a year) payments to *BSSS*, so, for many of you, your subscription expiration date will be renewed for a 3-month period every six 3 months.

If you have not yet made a \$5.00 payment for renewal of your *Badger State Smoke Signals* 1993 annual subscription, please take care of it within the next 2 months. Anyone not having paid their annual share of the subscription by the time of the next quarterly billing will be dropped from the mailing list. Make checks payable to Taylor County Area Amateur Radio Club. If paying by mail, send to current club treasurer Joanne Lundgren, N9QVX, W16095 Beech Drive, Sheldon, WI 54766. Or, bring your payment to an upcoming club meeting.

## EXCERPTS FROM MINUTES OF 1/7/93 TAYLOR COUNTY AREA ARC MEETING

Meeting was called to order by President N9GEN. Present were Bob Braun, KB9BLV and Ernie Mehner, WD9FWP (Dorchester); Ray Gajda, N9IDW (Lublin); Bernie Jari, KA9WDX; Ray Bohnert, W9QHI; Cliff Stevens, WA9YCT; Bob Goessl, KE9LX; and Tom Hrdina, N9GEN (Medford); Gary Day, KE4FE (Rib Lake); Mike Schoenfuss, N9GHZ (Abbotsford); Clyde Lundgren, N9LHY and Joanne Lundgren, N9QVX (Sheldon); and guest Lester Laub (Medford).

Amateur Radio communications at the 1992 Annual Abbotsford Christmas Parade on December 5th were discussed and reviewed.

Elections for 1993 club officers resulted in the following: N9GEN, President; KB9BLV, Vice-President; KA9WDX, Secretary; and N9QVX, Treasurer.

The new Taylor County mobile command post bus was discussed. Emergency Government Coordinator Roland Sacho ordered and has received an ICOM dual-band 2-meter/70cm band transceiver and power supply. The club still needs to come up with the antenna(s) and coax cable for the new radio on the bus. It was decided that the club will obtain both a tower-mounted antenna AND a regular mobile antenna for the bus. KE4FE and KE9LX will look into the antennas as well as a small, portable crank-up tower to use on the bus, and they will report back at next month's club meeting with some recommendations on exact models to purchase, as well as sources and prices.

The club's 2-meter repeater was discussed. N9GHZ reported that the case of the unidentified station repeatedly bringing up the autopatch the evening of December 13th had been solved, and it turned out to be a problem with the radio of a club member, which was transmitting a touch-tone sequence each time they attempted to use it, and they did not immediately realize what was going on. There was some discussion of the possibility of changing the autopatch access code from a 1-digit to a 3-digit code in order to make it more secure, but there didn't seem to be any support for this and no action was taken at this time.

The repeater hardware has not yet been transferred from the old repeater cabinet to the new repeater cabinet, the latter being ready to go at this time.

May 1st was selected as the tentative date for the next VE exam session to be held in Medford. N9GEN will contact WA9W from the Tomahawk VE team to arrange for one or more VEs to assist us, and N9GHZ will look into reserving the Taylor County Multi-Purpose Building for the appropriate date and time frame.

Meeting was adjourned at 8:10 p.m., and was followed by the evening's program, a presentation by the Abbotsford High School biology teacher and two of his students, on the results of a water quality study they recently did on the Popple River watershed in Clark County and surrounding area.

### CONGRATULATIONS TO....

Alan Larson, Ingram, Wis., who qualified for a Technician Class license at the VE exam session held in Park Falls on January 9th.

### NEW AREA REPEATERS

147.345 MHz	+600kHz offset	Holcombe
444.625 MHz	+5 MHz offset	Holcombe
444.750 MHz	+5 MHz offset	Park Falls

## INSTRUCTORS NEEDED FOR AREA AMATEUR RADIO LICENSE COURSE (DE N9GHZ)

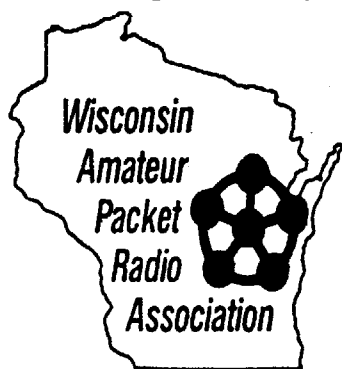
In the past 6 months or so, I have been approached and/or contacted by several individuals indicating an interest in attending courses for new Amateur Radio operators, AS WELL AS courses to help currently licensed hams upgrade. Among the requests for upgrade courses was one from the Thorp/Lublin area and a Technician-to-General upgrade course to include General Class theory and 13 WPM code speed building/practice. A lot of the new codeless Technician licensees around the area are also expressing an interest in getting their 5 WPM Morse code license endorsements. And there have been requests for me to run both Novice and Technician license courses for newcomers.

I can only run one course at a time, and I can only run so many different courses over the course of a year. I am asking other club members to consider teaching a course themselves this year. Someone willing to teach a 5 WPM Morse

Please turn to page 10

## Old Amateur Radio Magazines Wanted

If anyone has any used, but fairly current (up to the last 5 years) Amateur Radio magazines or other publications that they no longer want and would like to get rid of, I am looking for a limited number of them that I can pass on to students in my Amateur Radio license courses. PLEASE DON'T just drop them off! Get hold of me first to see if I still need them and how many I can use. I don't want to be flooded with a surplus of them! Thanks in advance. Mike, N9GHZ, phone (715) 3996.



# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

William Schroeder, W9ZBD  
4247 Forest Point Drive • Rhinelander, WI 54501

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

## N9BYS-BBS Signing Off

Carl - N9BYS has announced that his BBS SYSOP operations will cease on February 1 when he takes his BBS off the air after a noteworthy four years of operation. Carl cites that he wishes to pursue other facets of packet radio as the reason for closing the BBS. Carl suggests that current users of his system use the K9RRS-BBS in Racine as a good alternative. Carl will continue operations of his N9BYS-3 node on 223.58 on a 24 hour per day basis.

## WANA News

The WISOTA Amateur Networking Association (WANA) met on January 16 at Winona, Minnesota at their regular business meeting. WANA members are from the La Crosse, Tomah and Winona Minnesota area. The big news from the meeting was the development of a Lodi to La Crosse backbone 9600 baud link which will be the last leg to be completed of the backbone system linking Milwaukee to Minneapolis. WAPR is heavily invested in assisting WANA as well as others in completing this long awaited connection.

The projected time line for the link is for it to be completed this spring with an intermediate relay node which will switch the backbone from 430 Mhz to 223 Mhz. The link from La Crosse to Rochester, MN was completed this past fall using a 223 Mhz connection. From the Rochester area the link goes via 430 to Fairbault where it switches to a 19K baud link to the Twin Cities. This winter the link from Fairbault to Minneapolis has been experiencing some difficulties due to equipment malfunctions, but the expectation is that this will soon be remedied. Among other things, the backbone relieves 145.01 Mhz of BBS traffic forwarding.

According to BBS Sysops, the 145.01 link from Lodi to the La Crosse area has been a complete mess with forwarding brought to a complete standstill at times. High powered adjacent nodes and long Node list broadcasts are blamed for some of the delays. Some node Sysops have campaigned for reducing the power of all nodes to the minimum needed to reach their neighboring nodes and reducing node lists to only those realistically reachable from that particular node.

Other WANA news includes setting the date for the annual packet conference on Saturday, April 17, 1993 to be held at Winona. Also as many WANA members are aware the expenses involved in establishing the La Crosse to Rochester 9600 baud link were not slight. But WANA was relieved of some of the expense by the courtesy of the hams at SouthLAN in southeast Minnesota who voted to carry the expense of the equipment installed at Rochester and will reimburse WANA for the equipment located there. The reimbursement will be applied to the expenses of installing the La Crosse to Lodi link.

## Midwest Digital Conference '93

On Saturday, February 13th, the TwinsLAN Amateur Radio Club will sponsor Midwest Digital Conference '93 from Noon until 8 PM at the West River Point Business Center near downtown Minneapolis. This is the same day as the Midwinter Madness Hamfest so plan on attending the hamfest in the morning - and the Digital Conference in the afternoon and evening.

Emphasis for this second annual conference has been expanded to include all forms of

## Wisconsin BBS List

Call	Alias	Type	Frequencies	SVR	Location
KA5KKX		MSYS 1.12	145.010	N	Beloit
KA9EOK		MSYS 1.13	145.010 - 50.740	N	Park Falls
KA9JAC		MSYS ?	144.970 - 145.65	N	Neenah
KA9WPG		MSYS 1.11	145.010 - 145.050	N	Green Bay
KA9ZZK		MSYS 1.13	145.010 - 145.530	N	Tomah
KB9AMY		MSYS 1.11	145.010	N	Ashland
KC9BK	WIBDR	MSYS 1.13	145.690 - 222.190	Y	Brown Deer
KC9PX-2	KC9PX	MSYS 1.12	145.070	Y	Janesville
KD9JK-2	KD9JK	MSYS 1.12	145.070 - 223.580	Y	Janesville
KD9PE		MSYS 1.10	145.010 - 144.990	N	Sheboygan
N9BKJ	WIWAP	MSYS 1.13	145.010 - 145.650	Y	Waupaca
N9BQM	WIPIT	MSYS 1.13	145.010 - 145.630	N	Pittsville
N9BYS	WIBUR	MSYS 1.13	145.530 - 223.580	Y	Burlington
N9HKM-1	ILRKFD	MSYS 1.13	145.070 - 444.975/449.975	Y	Rockford, IL
N9JXA		MSYS 1.11	145.090	N	Greenfield
W9IHW	WIPED	MSYS 1.13	145.010 - 145.630	N	Pt. Edwards
W9IUP		MSYS 1.12	145.050	Y	Gurnee, IL
W9LZQ	WIONA	MSYS 1.13	145.010 - 145.090 - 223.560	Y	LaCrosse/Onalaska
W9NNS	WICFBB	MSYS 1.13	145.010 - 145.690	Y	Chippewa Falls
W9ZBD	WIRHI	MSYS 1.13	145.690 - 14.111	N	Rhinelander
WA9KEC	WIBBS	MSYS 1.12	145.090 - 145.590 - 223.580	N	North Prairie
WA9KLM		MSYS 1.09	145.010	N	Superior
WB9NET	CDROM	MSYS 1.10	145.53/223.40/223.58/440.975	Y	Silver Lake
WB9NTO	DURBBS	MSYS 1.12	145.010 - 145.690	Y	Durand
WB9TYT	TYT	MSYS 1.13	145.690/222.190/14.107/10.147	Y	Milwaukee
WB9ZRE		MSYS 1.13	144.970	Y	Ripon
WD9ANY	NWB	MSYS 1.11	145.090 - 10.149	Y	New Berlin
WD9ESU	WILODI	MSYS 1.13	145.010 - 145.070	Y	Lodi
N8IYB		MSYS 1.10	145.010	Y	Marquette, MI
W8YY		MSYS 1.11	145.010	Y	Houghton, MI

SVR Column: If a Y, The BBS will recognize & send by return mail it's Directory if sent a REQDIR or a file if sent a REQFILE automatically & is recognized as a FILE SERVER.  
If a N, These BBS's are not active FILE SERVERS.

Note: WB9TYT, WB9NET, & KD9JK have REQTH active also.

Please send any corrections & additions to me ASAP for next update.

Send to N9BQM @ N9BQM.WI.USA.NA

WAPR 1/15/93

digital communications: Packet; - RTTY; AMTOR/APLINK; PACTOR and CLOVER. There will be plenty of information-packed sessions for both digital communications beginners and experts.

Sessions will cover topics such as: Beginning Packet; Wide-Area-Networks; Tri-LINK; local services such as Metro-NET, CHAT nodes, and DX Clusters; PACTOR; Digital Signal Processing; AMTOR and APLINK; TCP/IP; Satellite Gateways; and Future Software. Some nationally renowned speakers like Karl Medcalf (Kantronics) will appear in person, others such as Joe Kasser (Lan-Link author) will make their presentations by teleconference - plus many local experts will be sharing their knowledge.

Dinner is included, and will be served from 5 to 6 PM - and will allow time to socialize with fellow packeteers from all over the Midwest. The dinner will conclude with a drawing for many valuable prizes. After dinner a SYSOP/NETOPS forum with ARRL Dakota Division Director Howard Mark as moderator will take place to allow sharing common concerns. The final activity of the conference will be a panel discussion to wrap-up the various topics presented during the day. Throughout the conference, a software swap table will feature the latest shareware and public domain software. Special reduced-price tickets are available

for registrations made prior to the day of the conference. Only a limited quantity of tickets will be available at the Hamfest and at the conference door. For more information contact Paul Ramey, WGOG, 16266 Finland Avenue, Rosemount, MN 55068 or call (612) 432-1640 between 6 and 10 PM weekdays and 10 AM to 9 PM weekends.

(This is a copy of msg sent to CONF)

SAM database on BBS at W9NNS

You are invited to use the REQTH feature of this BBS to access the ham call database with the latest American and Canadian calls.

How to access SAM hamcall database:

send the following:

sp reqqth @ w9nns

call1 call2 call3 etc ( for title)

control z (or /ex)

The BBS will send you the info you seek!  
Good luck and lotsa fun! Bill.



# Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The January meeting of the Yellow Thunder Amateur Radio Club, Inc. was held on January 19, 1993, due to the bad weather on January 12, 1993.

Eleven members meet at Sauk City for the bus trip to National Electrostatics Corporation in Middleton for a plant tour that was hosted by our very own Jim Decker, WB9UQT. It was a very informative tour on the history and production of Pelletron Accelerators. The tour was concluded with a working 3 million volt unit in the assembly area.

The Baraboo Area Technical Society (BATS) group has eighteen members present for the tour. We thank the BATS group for inviting Yellow Thunder ARC along for enjoyable evening of technical talk. BATS is made up to technically minded people in the manufacturing industries of the Baraboo Sauk County area.

The February meeting will be on Wednesday, February 17, 1993 at the Baraboo Civic Center. It will be an Open House and introduction night into the World of Amateur Radio. We will have

equipment set up to demonstrate the different modes of communications. Ham Radio classes for the codeless Technician Class License will start the following week.

The March meeting will have a satellite tracking and communication program hosted by the state expert in satellites, Dave Mullenix, N9LTD. Meeting times are 7:30 p.m., with the program at 8:00 p.m.

The Yellow Thunder Amateur Radio Clubs dues are due. \$15.00 per year. Also Central Wisconsin Repeater Association (CWRA) dues are due. \$20.00 per year. Please bring to the meeting or mail to our treasurer.

Jim Decker, WB9UQT

PO Box 337

Baraboo, WI 53913

CWRA is the sponsor of the 146.28/88 machine on the Baraboo Bluff and the 146.34/94 machine in Madison. Your support is encouraged.

Respectfully submitted by

Bill Klinkner, N9KXX, Vice. President.

The Kettle Moraine Radio Amateurs Club plans to activate the counties that were missing from the Wisconsin QSO Party in the past.

There will be at least three mobiles covering these "rare" counties KE9RY/M will operate from Burnett, Polk, Rusk, Taylor and Clark counties. K9VGE/M will cover Grant, Crawford and Richland counties. N9KS/M will operate from Iron, Vilas, Forest, Marinette and Menominee counties.

All the mobiles will operate from other counties on their way back to the Waukesha area.

The is one of the hottest, short contest in the country and is getting larger every year. The KMRA has been the club winner for several years and is looking for a serious challenge for this coveted position.

Perhaps this challenge will get more mobiles on the road and alert the fixed stations to listen for the weaker mobiles.

Ken Secora, N9KS, Editor Kettle Drums.

## RRRC HAM OF THE YEAR

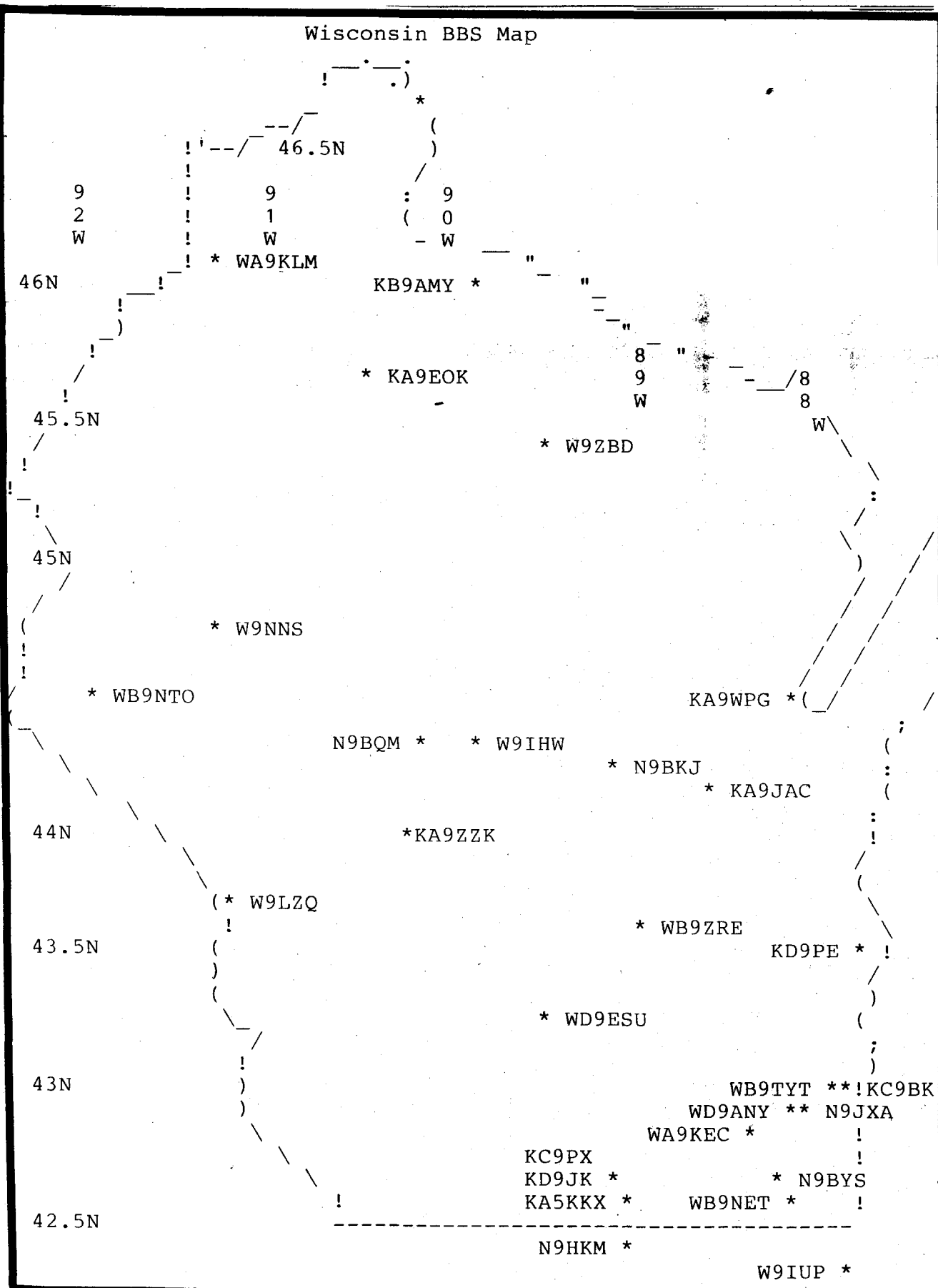
Rob Hummel, WA9ZTY, was chosen by the Rock River Radio Club (RRRC) to be the 1992 "Ham of the Year". He received a plaque to honor him for his fine efforts over the years. As most of you know, Rob has been the instructor for ham radio classes that were sponsored by the RRRC. He has had a major effect on the growth of our club by providing "new blood" to the group. Thanks Rob! from RRRC News.

## LATE HAMFEST INFO

SUNDAY, FEBRUARY 21ST. Hamfest at QCCA Expo Center Rock Island, IL advance tickets \$3.00, \$4.00 at the door, contact , K9UQI for tables and tickets. Exam contact is N9OK with usual id requirements, walk-ins ok send sase for flyer to K9UQI, K. Williams, 4245 10th Street, E. Moline, IL 61244 phone 309 796-0718 after 4:00 p.m.

The ham who loses his head on a net is usually the last to notice.

Heard at the radio club: "Sit down, you're off your rocker."



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# The Badger State Smoke Signals Shoppers' Guide

## SWAPFESTS



21<sup>st</sup> ANNUAL MIDWINTER  
**SWAPFEST**  
WAUKESHA EXPOSITION CENTER  
WAUKESHA, WISCONSIN  
**SUNDAY**  
**JANUARY 10, 1993**

1992 WINNERS  
Timothy J. Czerwinski, W09U, Chetek  
Robert J. Gorman, N9IAD, Madison  
Douglas Kiehn, K4LWN, Shawano

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HAM IT UP EVERY SPRING!  
**MADISON SWAPFEST**

**April 4, 1993**

Dane County Expo Center  
Forum Building

Sponsored by MARR/WB9AER

P.O. Box 8890 (608) 249-7579  
Madison, WI 53708-8890 Answer Machine

SOUTH MILWAUKEE AMATEUR RADIO CLUB

**SWAPFEST 93**

**July 10, 1993**  
(Held every July)

**American Legion Park**  
Shepard Ave. • Oak Creek, WI

(414) 762-3235 Extension 58  
P.O. Box 102 South Milwaukee, WI 53172

**Fox Cities Hamfest**

**November 7, 1993**

**Starlite Club, Hwy. 55 north of Kaukauna**

### HAMFEST INFO:

Dan Vanevenhoven, N9LVS  
2410 E. Newberry Ct.  
Appleton, WI 54915  
414-739-5101

### EXAM INFO:

Larry Siebers, KD9IA  
414-788-3823

**Lakeshore Hamfest**  
& Computer Swapfest

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

**Saturday, May 8, 1993**

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)  
Red, N9GHE: 414-684-9097

ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

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AREA AMATEUR RADIO CLUB, P.O. BOX 3508, PEORIA, IL  
61612-3508 OR CALL (309) 685-6698 FOR INFORMATION

15th Annual

**CWRA SWAPFEST**

Sunday, June 13, 1993 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA  
3356 April Lane

715-344-2984  
Stevens Point, WI 54481

EAU CLAIRE AMATEUR RADIO CLUB

**SWAPFEST**

**July 24, 1993 • 7:30 a.m. - 2 p.m.**  
*Chippewa Falls Fairgrounds*

Lis Searing, N9EQR  
(715) 834-1303

1129 McKinley Road  
Eau Claire, WI 54701

**ROCKFORD HAMFEST**  
AND COMPUTER SHOW

**Sunday, April 18, 1993**

Rockford Metro Centre

Tables: \$12.50 and \$10.00

(After April 1, all tables \$12.00)

Write to: R.A.R.A., P.O. Box 6931, Rockford, IL 61125.  
For more info, call 1-815-399-6995

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Northern Wisconsin Radio Club

**AUCTION**

**February 23, 1993 • 7:00 p.m.**

American Legion Post 53 • 634 Water Street  
Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
Route 1 Box 54

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Knapp, WI 54749

715-644-2112 FAX: 715-644-2621

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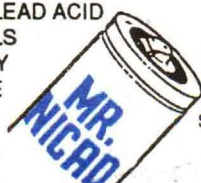
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